# Maritime Heritage Minnesota

Ann Merriman

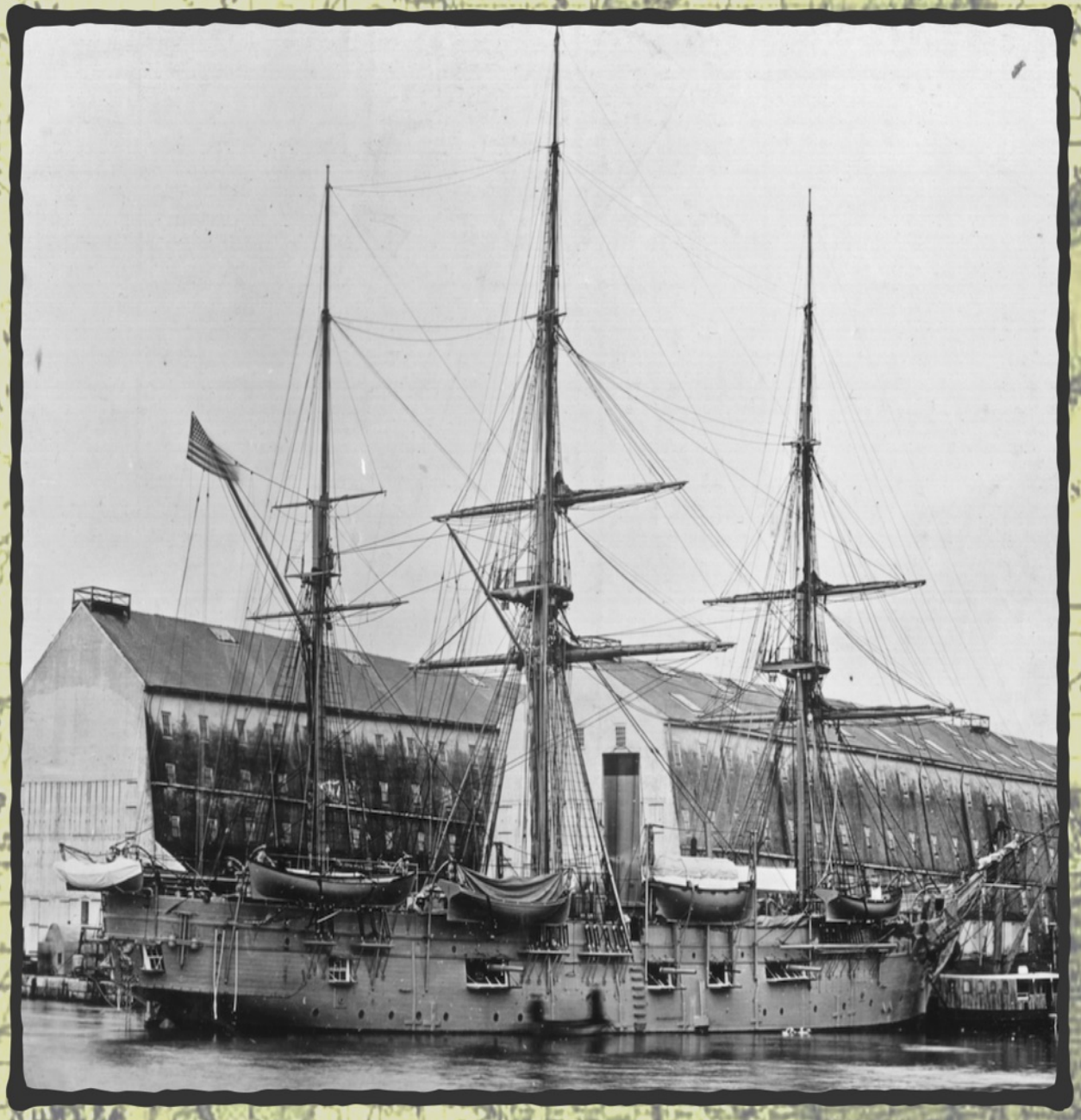
Christopher Olson

CLEAN WATER LAND & LEGACY AMENDMENT

# Log Book 32 of the USS Essex

## December 6, 1892 ~ June 13, 1893

### The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship



© 2018 Maritime Heritage Minnesota, Ann Merriman, Christopher Olson

**Maritime Heritage Minnesota**

# USS *Essex* Log Book 32

## Finding Aid

*Adams* class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

## Log Book 32 of the USS *Essex*: December 6, 1892-June 13, 1893

The National Archives houses USS *Essex* Log Book 32. Throughout Log Book 32, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- discharging ashes onto a lighter
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- testing flood cocks in magazine and gun rooms
- testing of all electrical apparatus
- crew conducting ship maintenance: engine maintenance/repair, boiler maintenance/repair, coal bunker maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, caulking the decks, iron work maintenance/repair, rigging repair/replacement, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, repairing sails, replacing sails, scraping and slushing spars, scrubbing masts and yards, repairing masts, hawser (mooring lines) maintenance/repair/replacement, condenser bed timber repair/replacement, engine bed timber repair/replacement, steam cutter maintenance/repair, steam/sail launch maintenance/repair, gig maintenance/repair, dinghy maintenance/repair, whale boat maintenance/repair, turned and cleaned hammocks and bedding, painting hammock netting panels, scraping and blacking boat davits, repaired ground tackle, repaired sounding apparatus, scraping out smokepipe, inspected cotton primers, repairing binnacles, repairing waste pipes of magazine and shell room, repairing rail, repaired skylights, repaired awning stanchions, awning

repair/replacement, repairing air ports, repairing gun ports, repairing water closets, gun carriage/battery maintenance/repair

- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), target practice with the air gun, floating target practice, boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, on shore target practice, general quarters drills, small arms drills, fire drills, single stick drills, revolver drills, torpedo drills, passing powder drills, fuze drills, abandon ship drills, man overboard drills, Gatling gun drills, howitzer drills, skirmishing, battalion drills, machine gun drills, pistol drills, rifle drills, bayonet drills, target practice with targeting hanging from a yardarm, Morse signal drills, landing party drills, navigation drills, man overboard drills, signaling with the flagship, Army and Navy signaling drills, watch signal drills, international signal drills, basic medical training (tourniquets, resuscitation), Marine Guard drill
- Marine Guard drills in the cutter
- cadet/apprentice drills: signaling drills, wig-wag sinaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew reporting the expiration of their contracted naval service
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

**NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.**

At the beginning of Log Book 32, in early December 1892, the USS *Essex* was anchored in Montevideo, Uruguay, under Commander W. W. Mead. USS *Essex* was assigned to the US South Atlantic Station. On December 6, *Essex* left Montevideo, anchored in the River Plate, and exchanged colors with English gunboat HMS *Magpie*.

Underway the next morning, the crew practiced at the great guns and with small arms against a floating target. She anchored in Colonia Harbor and exchanged visits with the Captain of the Port. On December 9, the crew observed a number of water spouts to the east, an *Essex* officer called on the Governor of Colonia, and the crew had small arms target practice. Four days later, the planned Marine target practice was delayed due to high winds, but they landed onshore for their exercises later in the day. A messenger came from the Jefe Politico (Governor of the Province) to protest against *Essex's* men landing men on San Gabriel Island. *Essex* also sent a party to put out a fire on San Gabriel Island. On December 14, the crew was called to action and practiced fire drills. Smoke was observed smoke on San Gabriel Island and *Essex* sent a party to put out fire there. The US Charge 'd Affairs to Argentina, G. W. Fishback and the US Consul visited the ship and *Essex* got underway on December 20. She anchored in Montevideo during evening watch and exchanged pleasantries with steel sloop HMS *Basilisk,* Spanish unprotected cruiser *Cristobal Colon*, and protected cruiser HMS *Sirius*. On December 25, an officer from HMS *Sirius* boarded the ship and complained that an *Essex* man had been caught smuggling liquor on board the *Sirius*. An officer was sent to retrieve the crewman from shore and confined for five days on bread and water for 'scandalous conduct'. The next day, gunboat USS *Yantic* anchored in the bay and hoisted the 'senior officer present' pennant; signals were exchanged between the two American ships daily. HMS *Basilisk* and HMS *Sirius* left the Bay of Montevideo. *Essex* shifted her anchorage and dropped a second anchor when a squall went through.

In early January 1893, a large barque rigged man-of-war passed upriver and the *Essex* crew exercised at Divisions with single sticks, great guns, and pistols, the Powder Gang and Navigators at Stations, the Marines with bayonets, and general 'manning small boats' drills. Pleasantries were exchanged with HMS *Magpie*, the American steamer *Advance*, USS *Yantic*, and HMS *Basilisk*. An *Essex* crewman returned from the English Hospital in Montevideo, and seven men transferred from *Yantic*. On January 9, the ship left Montevideo, exchanging signals with *Cristobal Colon*, *Yantic*, *Basilisk*, and *Magpie*; the last *Essex* communication - that she was heading home - was met with cheers by the other ships. She anchored in Maldonado Bay and on January 10, a work party was sent ashore to disinter the remains of an American sailor and brought them on board for transfer back to the US. *Essex* then left Maldonado Bay for the United States. While underway, *Essex* made periodic stops to take soundings with the Thomson machine and she proceeded under sail and steam. On January 16, the flying jib boom was carried away near the heel and the crew rove off new wheel ropes. The next day, with a strong wind blowing, the ship switched to storm sails and the crew sighted a barque. The crew conducted infantry and artillery drills, aired the bedding, occasionally fired up the steam engine, and the Carpenter's Gang work at caulking the ship.

For the first 20 days of February, *Essex* sighted or passed 3 barques heading north, two sailing vessels heading west, a southbound barkentine, a Norwegian barque, and two steamers heading southwest. At one point, *Essex* stopped her engine for 30 minutes to set up the side rod nut. While underway, the Quartermasters practiced International Signals and there were frequent changes from all sail or steam only, along with a

combination of sail and steam. The crew practiced small boat fitting-out drills and the ship was frequently pumped out. After an inventory, an auction was held of surplus surveyed Marine clothing, the crew were exercised in fire and abandon ship drills. On February 20, the Engineer's Gang stopped the engine to repair a water valve at the inboard end of high pressure cylinder that had been disabled by a piece of copper that lodged in its seat. Two days later, *Essex* was dressed with the national flag at the main and on February 23, the port aft boiler sprang a leak. On February 27, the crew took soundings, kept busy painting the ship, and anchored in Hampton Roads, Virginia. She made signals to the Quarantine Hulk and the next day, Norfolk Navy Yard tug USS *Standish* came out to meet her.

During the first week in March 1893, *Essex* remained offshore and held Divisional drills, exchanged courtesies with officers from the Fort (probably Monroe), two crewmen were transferred to USRS *Franklin* with their bags, hammocks and accounts. *Essex* sent the remains of the recovered Sea Apprentice for shipment to Baltimore, and dispatch boat USS *Dolphin* anchored nearby and signals were exchanged before she moved into the Navy Yard. Commander Mead paid a official visit to Fort Monroe, General Quarters drills were conducted, and the crew painted the ship inside and out. The Board of Inspection under Rear Admiral Belknap came on board and inspected the ship and crew. Meanwhile, the crew cleared the ship for action and conducted general quarters, infantry, single sticks, and pistols drills, while the Marine Guard were put through their own exercises. Three crewmen were discharged from Naval Service and on March 8, *Essex* shifted her berth to a position off Fort Norfolk. She discharged all her ammunition at Fort Norfolk and Craney Island and then got underway upriver and docked in the Navy Yard. Three days later, a General Court Martial prisoner was sent for trial in the Navy Yard and on March 12, sloop-of-war USS *Constellation** entered the Yard and moored ahead of the steel gunboat USS *Concord*.

On March 13, a board comprised of representatives of the Bureaus of Construction and Repair, the Bureau of Equipment, and the Bureau of Steam Engineering came on board to inspect the ship. Also, gangs of men from the Shipbuilding, Plumbing, Boat Building, and Caulking Departments came on board to examine the ship. The next day, *Essex's* sails were taken down and transferred to shore and many crewmen were discharged from the Naval Service. For the remainder of March, the crew sent down the topmasts and rigging and filled the boilers from a shore hydrant. Construction Department crew bored holes in outside hull planking for inspection and a Board of Officers from the Equipment Bureau engaged in surveying the running rigging. Some crewmen were transferred to the Naval Hospital and the Marine Guard was sent to their barracks for drills. The Construction Board made a general survey of the ship, and for three days the mast yards were sent down and placed on the dock for sanding. On March 25, steel protected cruiser USS *San Francisco* left the drydock and moored ahead of *Essex*. Two days later, the running rigging and topmasts were hoisted back up the masts. During the las three days of March, the crew took aboard and stowed solid shot, small arms, ammunition, high explosives, powder, fuzes, primers, sails, stores, and provisions.

Between April 1-5, 1893, some *Essex* crewmen were promoted and others were discharged, and USS *San Francisco* left the yard. By order of the Navy Department. Lt. J.C.B. Blucker relieved Commander W.W. Mead from command of US Training Ship *Essex*. Commander Mead was transferred to the Naval Academy in Annapolis, MD; he was transferred in the tug *Phlox* and *o*ther officers detached as well. *Essex* left the Navy Yard dock under steam and proceeded into Chesapeake Bay. On April 6, she docked at the Naval Academy in Annapolis and took on stores. On April 11, 1893, 30 Naval cadets came on board USTS *Essex* for instruction. Three days later, more Naval Cadets came on board for instruction in seamanship. On April 17, after the completion of a stores transfer, USTS *Essex* was turned over to the Superintendent of the Naval Academy. At this point, most of the log book entries are primarily focused on recording the weather conditions and cleaning the ship. On April 21, USTS *Essex* exchanged signals with USS *Dolphin* and Secretary of the Navy Hillary A. Herbert arrived at the Academy. He received a 17-gun salute. Secretary Herbert and the Superintendent of the Naval Academy embarked on USS *Dolphin* - which then ran aground opposite the experimental battery. *Dolphin* came off the bar with the assistance of a tug; she then proceeded downriver. On April 24, Naval Academy tug USS *Standish* left for drill in Chesapeake Bay and three days later, *Phlox* proceeded to Baltimore and returned to Annapolis later the same day for boiler repairs.

In early May 1893, the crew of USTS *Essex* were employed in various duties. On May 6, USS *Standish* left the Naval Academy for Chesapeake Bay to conduct a seamanship drill. Also, a British Vice Admiral visited the Academy and received a 15-gun salute. The next day, USTS *Constellation* and USS *Standish* arrived at the Naval Academy. On May 8, Naval cadets came aboard, practiced seamanship for an hour, then left; this action occurred three timed in May. For the rest of the month, USS *Standish* traveled to and returned from Baltimore several times, naval cadets trained on board for short periods of time, the Board of Survey investigated the condition of the ship's furniture, and the crew tarred the rigging. On May 29, USTS *Essex* fired a salute of 15 guns in honor of the arrival of the Board of Visitors at the Academy. Italian protected cruiser Flagship *Etna*** and her consort *Eridano* came to anchor in the outer roads. The ships fired a National salute with American ensign at the fore; the Naval Academy shore battery returned the salute with the Italian ensign displayed. The next day, *Etna* came to anchor off the Naval Academy. Superintendent of the Academy, Captain Robert L. Phythian, visited the Italian flagship and as he left the vessel, he was saluted with 11 guns by flagship and the shore battery. Italian Rear Admiral G. B. Magnaghi visited the Academy and a 13-gun salute fired in his honor. During the last part of May, the USTS *Essex* crew loosed and furled the ship's sails.

The majority of the activities recorded by the USTS *Essex* crew occurred around the ship on the grounds of the Naval Academy and in the bay. USS *Standish* departed Annapolis with the Board of Visitors heading for *Etna*. *Etna* fired a 15-gun salute in honor of the Board, and the salute was returned with the Italian ensign at the main. USCS steamer *Endeavor* and USLE steamer *Jessamine* arrived. The Secretary of the Navy Hillary A. Herbert arrived at the Academy and was received with a 17-gun salute. On June 3, *Jessamine*, *Endeavor*, *Etna*, and *Eradino* left the Academy. USS *Standish*

arrived from Baltimore and went alongside USTS *Constellation* and she left under tow of *Standish* on June 6, while the *Essex* crew stripped the ship. The next day, *Standish* returned to the Academy with the remains of J. Giltey, late seaman of the *Constellation* who was accidentally killed on that vessel's gundeck. His funeral which took place at at the Naval cemetery. Out in Chesapeake Bay, *Constellation* got underway, headed for the Norfolk Navy Yard. On *Essex*, Naval Cadet practice continued and they took target practice with machine guns and then conducted seamanship training. The *Essex* crew laid out the kedgers.

On June 8, a Navy detail from USRS *Santee* boarded *Essex* to prep her for the Navy Yard and on the next day, she left the Academy wharf under tow of *Standish*. *Essex* was in charge of Lt. J.B. Milton by order of the Superintendent of the Naval Academy. USTS *Essex* came to anchor down in the harbor and *Standish* casted off and came alongside; she off-loaded five tons of coal from the ship. On June 11, *Standish* came alongside once again to transfer some machinists and firemen to help steam *Essex* to the Navy Yard. She up anchored and stood down Chesapeake Bay with *Standish.* USTS *Essex* exchanged signals with USTS *Constellation* and anchored 1/2 mile outside Thimble Light. *Essex* steamed down the bay and up to Norfolk, through the channel west of Horse Shoe and passed close to *Constellation*; she sent a boat with mail to the *Standish. Standish* came alongside *Essex* and together the ships steamed into the Navy Yard. USTS docked at the Norfolk Navy Yard wharf around noon. Lt. Milton reported arrival of *Essex* to the Commandant of Yard.

On June 12, the log book supplement lists crewmen transferred to USRS *Franklin* at the Norfolk Navy Yard, protected cruiser USS *Charleston*, and USRS *Dale* at the Washington Navy Yard with their baggage, hammocks, and necessary papers. The list also included the names of men discharged from the US Navy. *Standish* took on more coal from *Essex* and she left for Annapolis, taking with her all the men she brought down on the *Essex*, except for two clerks. On June 13, 1893, a message from the Commandant instructed the hauling down of her pennant, placing the USTS *Essex* out of commission at 7:25 am.

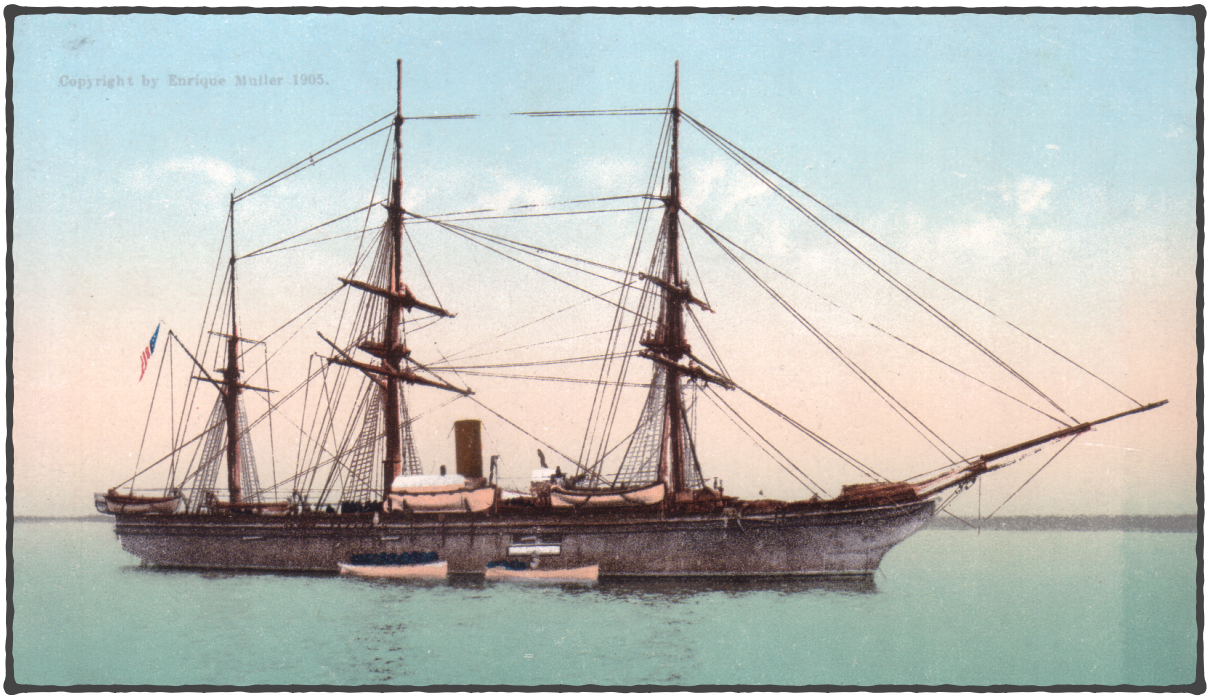
*USS *Constellation* had just returned from a trip to Europe where she collected works of art for the Chicago Columbian Exposition of 1893. Upon the completion of that assignment, she returned to her Training Ship duties.
***Etna* was one of the Italian ships that represented the country at the Chicago Columbian Exposition in May 1893.

Tags:
American Ships: steamer *Advance*, protected cruiser USS *Charleston*, steel gunboat USS *Concord*, sloop-of-war USS *Constellation*/sloop-of-war US Training Ship *Constellation*, US Receiving Ship *Dale*, US Coast Ship steamer *Endeavor*, sloop-of-war USS *Essex*/sloop-of-war US Training Ship *Essex*, US Receiving Ship *Franklin*, US Lighthouse Establishment steamer *Jessamine*, tug *Phlox*, steel protected cruiser USS *San Francisco*, Navy Yard tug USS *Standish*, gunboat USS *Yantic*

British Ships: steel sloop *Basilisk*, gunboat HMS *Magpie,* protected cruiser HMS *Sirius*

Italian Ships: consort *Eridano*, protected cruiser Flagship *Etna*

Spanish Ship**:** unprotected cruiser *Cristobal Colon*




USS *Essex*



*Etna*



USS *Constellation*

USS *Santee*





USS *Essex*, USS *Constellation*, USS *Santee*

# LOG BOOK

OF THE

U. S. S. "Essex"

3rd RATE

OF Six GUNS,

COMMANDED BY

, U. S. Navy,

Attached to Squadron,

Commencing December 6th, 1892,

at Montevideo, Uruguay,

and ending June 13, 1893,

at Navy Yard, Norfolk, Va

BUREAU OF NAVIGATION,

NAVY DEPARTMENT.

1886.

# LIST OF OFFICERS

Attached to and on board of the U. S. S. Essex, 3rd. Rate, commanded by

, U. S. N., during the period covered by this Log-Book,

from Tuesday December 6, 1892, to , 18 .

| NAME. | RANK. | NAME. | RANK. |
|---|---|---|---|
| W. W. Mead. | Commander U.S.N. | J. S. Ross. | Chief Engineer, U.S.N. |
| J. H. Blecker. | Lieutenant. U.S.N. | W. W. Barry. | Paymaster, U.S.N. |
| C. S. Curtis. | Lieutenant. U.S.N. | O. Dichl. | Passed Asst. Surg. U.S.N. |
| G. F. W. Holman. | Lieutenant. U.S.N. | H. C. Haines. | 2d Lieutenant U.S.M.C. |
| F. A. Wilner. | Lieutenant. U.S.N. | C. W. Koester. | Asst. Engineer, U.S.N. |
| J. T. Newton. | Lieutenant. U.S.N. | W. W. Dean. | Pay Clerk. U.S.N. |
| W. R. M. Field. | Ensign. U.S.N. | | |
| C. M. Stone. | Ensign. U.S.N. | | |
| W. O. Hulme. | Ensign. U.S.N. | | |

Examined and found to be correct.

*Navigator.*

# LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S. Essex, 3rd Rate.

commanded by , U. S. N., during the period covered by this

Log-Book, from Tuesday December 6, 1892, to , 18 .

| NAME. | RANK. | TIME OF OCCURRENCE AND PARTICULARS. |
|---|---|---|
| W. O. Stulme. | Ensign U.S.N. | March 8, 1893. Detached, (By) ordered to duty Navy Yard N.Y. |
| G. F. W. Holman. | Lieutenant. U.S.N. | March 2 1893. Detached (By) ordered to duty at Torpedo Station Newport R.I. |

Examined and found to be correct.

*Navigator.*

**COMPLEMENT** of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S *Essex*, *3rd Rate*, at first commissioning *April 22nd* 1890. *At Navy Yard, New York.*

| NUMBER ALLOWED. | RATES. | NUMBER ON BOARD. |
|---|---|---|
| 1 | Chief Boatswain's Mate, | |
| 2 | Boatswain's Mate, | |
| | Seamen Gunners, | |
| 1 | Chief Gunner's Mate, | |
| | Gunner's Mates, | |
| 1 | Chief Quartermaster, | |
| 3 | Quartermasters, | |
| 6 | Coxswains, | |
| 2 | Captains of Forecastle, | |
| 4 | Captains of Tops, | |
| 2 | Captains of Afterguard, | |
| 3 | Quarter-Gunners, | |
| 1 | Carpenter's Mates, | |
| 1 | Sailmaker's Mates, | |
| 1 | Armorer, | |
| 1 | Captains of Hold, | |
| 1 | Ship's Cook, | |
| 1 | Ship's Corporals, | |
| 1 | Lamp-lighter, | |
| 2 | Carpenters and Calkers, | |
| 1 | Baymen, | |
| 1 | Master-at-Arms, | |
| 1 | Apothecary, | |
| 1 | Ship's Yeoman, | |
| 1 | Paymaster's Yeoman, | |
| 1 | Engineer's Yeoman, | |
| | Schoolmaster, | |
| 1 | Ship's Writer, | |
| | Ship's Tailor, | |
| 1 | Ship's Barber, | |
| 1 | Painter, | |
| 1 | Bugler, | |
| 1 | Jack of the Dust, | |
| 1 | Blacksmith, | |
| | *Marine Guard.* | |
| 1 | *Orderly Sergeant* | |
| 1 | *Sergeant.* | |
| 2 | *Corporals.* | |
| 2 | *Musicians.* | |
| 20 | *Privates.* | |

| NUMBER ALLOWED. | RATES. | NUMBER ON BOARD. |
|---|---|---|
| 1. | Cabin Steward, | |
| 1. | Cabin Cook, | |
| 1. | Ward-room Steward, | |
| 1. | Ward-room Cook, | |
| 1. | Steerage Stewards, | |
| 1. | Steerage Cooks, | |
| | Warrant Officer's Steward, | |
| | Warrant Officer's Cook, | |
| 12. | Seamen, | |
| 12. | Ordinary Seamen, | |
| 14. | Landsmen, | |
| | Boys, | |
| 20. | Apprentices, | |
| 3 | Machinists, | |
| 1 | Boiler Makers, | |
| 3 | Water Tenders, | |
| 3 | Oilers, | |
| 1 | First-class Firemen, | |
| 6 | Second-class Firemen, | |
| 12 | Coal Heavers, | |
| 165 | TOTAL, | |

ADDITIONAL FOR FLAGSHIP.

| | | |
|---|---|---|
| | Master of the Band, | |
| | Chief Musician, | |
| | First-class Musicians, | |
| | Second-class Musicians, | |
| | Printer, | |
| | Steward to Commander-in-chief, | |
| | Cook to do. | |
| | Coxswain to do. | |
| | Seamen to do. | |
| | Ordinary Seamen to do. | |
| | Landsmen to do. | |

Examined and found to be correct.

*Navigator.*

U. S. S *Essex, 3rd Rate.*

## Description of Instruments used for Meteorological Observations, their Location, &c.

| INSTRUMENT. | MAKER. | NUMBER. | LOCATION. | DATE OF LAST COMPARISON. | COMPARED WITH— | ERROR. |
|---|---|---|---|---|---|---|
| MERCURIAL BAROMETER. | *J. J. Green.* | *3295.* | *Cabin.* | *May. 1890.* | *Standard, Navy Yard New York.* | *-.02* |
| ANEROID BAROMETER. | *Holosteric* | | *Cabin.* | | | |
| THERMOMETER, (Dry Bulb.) | *Standard Standard Thermometer Co, Peabody, Mass.* | | *Cabin.* | | | |
| THERMOMETER, (Wet Bulb.) (Psychrometer.) | *J. J. Green.* | *3463.* | *On cabin bulkhead, underbreak of poop deck.* | | | |

Examined and found to be correct.

*Lieutenant U.S.N.*
*Navigator.*

# ARMAMENT

Of the U. S. S Essex, 3rd Rate,

## PRIMARY.

| NO. OF GUNS. | CAL. | MARK. | DESCRIPTION. | CARTRIDGE. POWDER. | CARTRIDGE. WEIGHT. | PROJECTILES. KIND. | PROJECTILES. WEIGHT. | CARRIAGES. | REMARKS. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8 in. M.L.R. | W.S. 1877. F.J.H. F.M.R. | Converted. | Dupont Sefers Indeed | 32 3/4 30 1/2 Cm 30. | Shell Canister | 180 Cm 156. 168.6 | Pivot. | |
| 1 | 6 Pdr. B.L.R. | R.P.P. 1864. R.B.H. | Converted. | Shaftsbirke Rifle. | 5 | Shot Shell | 55 48 | D. Bar. | |
| 4 | IX in. S.B. | F.P. 1864 S.M.B. | S.B. | Dupont Cannon. | 10. Cm 13. | Shot Shell Shrapnel Grape. | 90. 73.5 75.0 74.1 | Broadside. | |

## SECONDARY.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1. | 3 in. B.L.R. | N.Y.W. 1878. H.L.H. | Steel. | Dupont Cannon. | 3/4 lb. | Shell. Shrapnel | 7 7 | Boat & Field. | |
| 1. | 3 in. B.L.R. | N.Y.W. 1880. H.L.H. | Steel. | Dupont Cannon. | 3/4 lb. | Shell. Shrapnel | 7 7 | Boat & Field. | |
| 1. | 12 Pdr. Light. | N.Y.W. 1870 F.M.R. | Bronze | Dupont Cannon. | .625 | Shell Shrapnel Canister. | 12 12 7.75 | Boat & Field | |
| 1 | Gatling. | Colts 1880. | 45 Elbe. Shot | | 70 grs. | | 405 grs | Boat & Field. | |
| 1. | Gatling | Colts 1874. | 45 Elbe. Long. | | 70 grs. | | 405 grs | Field & Battalion. | |

## BOAT ARMAMENT.

Secondary Battery.

## SMALL ARMS.

85 Rifles, Hotchkiss, 1 & 2, Model; 2 Rifles, Cal. 22; 65 Revolvers, Colts D.A. Calibre 38.
70 Cutlasses; 22 Battle Axes.

Examined and found to be correct.

Navigator.

# TABLES of Deviation of the Standard Compass No. 69 on board the U. S. S. Essex, 3rd Rate.

DATE: Feb. 22d 1891.
PLACE OF OBSERVATION: Rio de la Plata
LATITUDE: S. 35°, 01', 00".
LONGITUDE: W. 56°, 10', 00".
OBSERVED VARIATION: 6°. - 35'. E

| SHIP'S HEAD BY COMPASS. | DEVIATION. | DEVIATION. | DEVIATION. | DEVIATION. | DEVIATION. | DEVIATION. |
|---|---|---|---|---|---|---|
| NORTH. | E. 0°, 07'. | | | | | |
| N. by E. | 0, 41. | | | | | |
| N. N. E. | 1, 15. | | | | | |
| N. E. by N. | 1, 20. | | | | | |
| N. E. | 1, 25. | | | | | |
| N. E. by E. | 1, 30. | | | | | |
| E. N. E. | 1, 36. | | | | | |
| E. by N. | 1, 42. | | | | | |
| EAST. | 1, 15. | | | | | |
| E. by S. | 1, 04. | | | | | |
| E. S. E. | 0, 53. | | | | | |
| S. E. by E. | 0, 30. | | | | | |
| S. E. | 0, 04. | | | | | |
| S. E. by S. | W. 0, 13. | | | | | |
| S. S. E. | W. 0, 30. | | | | | |
| S. by E. | 0, 35. | | | | | |
| SOUTH. | 0, 41. | | | | | |
| S. by W. | 0, 04. | | | | | |
| S. S. W. | E. 0, 33. | | | | | |
| S. W. by S. | 0, 37. | | | | | |
| S. W. | 0, 41. | | | | | |
| S. W. by W. | 0, 32. | | | | | |
| W. S. W. | 0, 23. | | | | | |
| W. by S. | 0, 14. | | | | | |
| WEST. | W. 0, 30. | | | | | |
| W. by N. | 0, 48. | | | | | |
| W. N. W. | 1, 07. | | | | | |
| N. W. by W. | 1, 32. | | | | | |
| N. W. | 1, 57. | | | | | |
| N. W. by N. | 1, 19. | | | | | |
| N. N. W. | 0, 40. | | | | | |
| N. by W. | 0, 17. | | | | | |

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Montevideo, Uruguay

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.E. by E. | 4 | | | 30-13 | 66 | 61 | 58 | | bc. | cirrus | 8 | |
| 2 | | | | " | " | 4 | | | 30-11 | 65 | 60 | 58 | | " | " | 6 | |
| 3 | | | | N. by E. | N.E. | 3 | | | 30-12 | 65 | 61 | 59 | | " | " | 4 | |
| 4 | | | | N.E. | " | 3 | | | 30-12 | 65 | 61 | 59 | | " | " | 4 | |
| 5 | | | | N.E. by N. | N.E. by E | 3 | | | 30-15 | 64 | 61 | 59 | | " | " | 4 | |
| 6 | | | | N.E. by E. | " | 3 | | | 30-17 | 65 | 61 | 59 | | " | " | 5 | |
| 7 | | | | E. N.E. | " | 3 | | | 30-19 | 66 | 62 | 60 | | " | " | 3 | |
| 8 | | | | | " | 3-4 | | | 30-20 | 69 | 64 | 62 | | " | " | 5 | |
| 9 | | | | | " | 3 | | | 30-10 | 69 | 65 | 62 | | " | " | 6 | |
| 10 | 4. | 4. | 4.4 | S.W. by W. 1/2 W. | " | 4 | | | 30 | 15 | 69 | 65 | 64 | " | " | 6 | |
| 11 | 9 | 0 | 13.4 | " | E. by S. | 4 | | | 30-16 | 70 | 69 | 65 | | " | " | 6 | |
| Noon. | 4 | 2 | 22.10 | " | East. | 4 | | | 30-18 | 70 | 70 | 69 | | " | " | 6 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 396 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1653 "

Coal consumed during the preceding 24 hours, 3 tons 2010 lbs.

Coal remaining on hand at Noon, 111 " 590 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9 | 0 | 31.00 | S.W. by W. 1/2 W. | East | 4 | | | 30-16 | 70 | 70 | 67 | | bc. | cirrus | 3 | |
| 2 | 9 | 0 | 39.75 | W.S.W. 1/2 W. | " | 4 | | | 30-14 | 70 | 71 | 67 | | " | " | 4 | |
| | 6 | 6 | | W. | | | | | | | | | | | | | |
| 3 | 3 | 3 | 49.50 | N.W. 1/4 W. | " | 5 | | | 30-10 | 72 | 70 | 67 | | " | " | 3 | |
| 4 | 10 | 2 | 59.9 | " | " | 5 | | | 30-08 | 71 | 69 | 66 | | " | " | 3 | |
| | 7 | 1 | | N.W. 1/2 W. | | | | | | | | | | | | | |
| 5 | 3 | 3 | 70.2 | N.W. by W. 3/4 W. | " | 5 | | | 30-02 | 70 | 69 | 66 | | " | " | 3 | |
| | 4 | 3 | | W. 1/2 W. | | | | | | | | | | | | | |
| 6 | 4 | 0 | 81. | North. | " | 5 | | | 29-98 | 69 | 68 | 66 | | " | " | 3 | |
| 7 | 10 | 0 | 91. | " | " | 5 | | | 29-97 | 72 | 69 | 67 | | " | " | 3 | |
| | 2 | 0 | | | | | | | | | | | | | | | |
| 8 | 2 | 5 | 94.5 | W.N.W. | " | 5 | | | 30-00 | 75 | 69 | 66 | | " | " | 3 | |
| 9 | | | | East. | " | 4 | | | 30-00 | 70 | 68 | 65 | | " | " | 6 | |
| 10 | | | | N.E. | " | 4 | | | 30-00 | 70 | 69 | 67 | | " | none | 10 | |
| 11 | | | | North. | " | 5 | | | 30-00 | 70 | 69 | 67 | | " | " | 10 | |
| Mid. | | | | N. by W. | E.N.E. | 5 | | | 30-00 | 70 | 68 | 65 | | " | " | 10 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, December 6, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 P.M.

Mostly Cloudy. Gentle and moderate breezes from N.E. by E and N.E. Started fires in two after boilers at 2.00

C. M. Stone
Ensign U.S.N.

4 to 8 A.M.

Generally clear and pleasant. Barometer rising. Gentle to moderate breeze from N.E. by E. Crossed topgallant and royal yards. Got under way at 7.00 and stood out of port. Commanding Officer conning. At end of watch Navigator swinging ship. Draught - aft 16-4 midships 15-1. forward 13-6. Burdett came in at 5.

J. T. Newton
Lieut. U.S.N.

8 A.M. to Meridian.

Partly cloudy - pleasant weather. Gentle to moderate breeze from E by S to East. Swinging ship till 9.20. At 9.25 set course S.W. by W ½ W. (p.c.) and put over patent log. Made sail to royals - except mainsail and flying jib. At 9.25 took departure - E.C. Cerro bearing (mag) N 78 E and Brava Pt. Light (mag) N.E. by E ¾ E. -

The Commanding Officer adjudged the following punishments viz: - Pingree, Joseph, (C.T.) drunk on board ship, disrespectful to Officer of Deck. Confinement 5 days bread and water. - Carman W.H. (Pvt.) 9 hours overtime - 2nd class 1 month; - Wentz R.T. (Private) 10 hours overtime - 2d class 1 month; - Pugh W.O. (Quarter Gunner) 60 hours overtime - 4th class 3 months and $2.50 Monthly Money; - Milliken D.S. (Captain Hold) 36 hours overtime 4th class 3 months and $2.50 Monthly Money; Hand Peter (Water Tender) disrespect to an officer - Confined in single irons to await trial by Summary Court Martial. Under steam and sail at end of watch - Average steam pressure 70.5 lbs. revolutions 43.7.

F. H. Prince
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy. Moderate and fresh breezes from East. Changed course at 1.00 to N.W. by W. ½ W. Patent Log 31. At 2.00 changed course to N.W. Patent Log 39¾. At 2.40 changed course to N.W. ¼ N. Pat. Log 48.7 At 4.00 changed course to N.W. ½ N. pat. Log 59.9. Started fires for distilling. Took in spanker at 3.00 Average steam 75 lbs. revolutions 52. Steaming with three boilers. Overhauled sheet chain and shifted 15 fathoms of sheet chain to port bower and 15 fathoms port bower to end of sheet chain.

C. M. Stone
Ensign U.S.N.

4 to 8 P.M.

Generally cloudy but pleasant weather. Stiff breeze from East. At 4.35 changed course to N.W. by W. ½ W. (p.c.) patent Log 67. At 5.0 to W. ½ N. (p.c.) patent log 72, at 6.35 to North, patent log 86.9. and at 7.10 to N.W. patent log 92, at 4.52 passed Chico Bank light ship on port hand. At 7.20 anchored with port anchor in 21 feet water and veered to 45 fathoms chain. Bearings from anchorage Farallon Light N ½ W (mag) and Colonia Light N.N.E. ½ E mag. Exchanged colors with U.S.S. Magpie standing to the S.E. Banked fires and hauled fire from distilling boiler. Average steam 69. lbs. revolutions 53.9.

F. H. Prince
Lieut U.S.N.

8 P.M. to Midnight.

Mostly clear and pleasant - Moderate and stiff breezes from East + E.N.E.

C. M. Stone,
Ensign U.S.N.

G. K. Curtis
Lieut. U.S.N.

LOG of the UNITED STATES — Steamer Essex, 3d Rate,

At anchor in the Rio de la Plata.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | N.E. | 5-6 | | | 29-96 | 70 | 65 | 63 | | bc | cirrus | 8 | |
| 2 | | | | N.W.by N. | " | 4-5 | | | 29-98 | 69 | 64 | 62 | | " | " | 8 | |
| 3 | | | | N.W. | " | 4 | | | 29-99 | 68 | 64 | 62 | | " | " | 7 | |
| 4 | | | | N.W.by N. | " | 4 | | | 29-99 | 67 | 63 | 62 | | " | " | 6 | |
| 5 | | | | N.E.by N. | " | 4 | | | 30-01 | 67 | 63 | 61 | | " | " | 7 | |
| 6 | | | | " | N.E.by N. | 3 | | | 30-01 | 66 | 63 | 62 | | " | " | 8 | |
| 7 | | | | N.E. | " | 3 | | | 30-02 | 67 | 65 | 63 | | " | " | 8 | |
| 8 | | | | " | " | 2 | | | 30-03 | 70 | 67 | 64 | | " | " | 8 | |
| 9 | | | | North. | N.N.W. | 2 | | | 30-03 | 71 | 70 | 67 | | " | " | 8 | |
| 10 | | | | —— | " | 2 | | | 30-03 | 71 | 71 | 68 | | fcm. | " | 8 | |
| 11 | | | | —— | " | 2 | | | 30-03 | 72 | 72 | 69 | | " | " | 8 | |
| Noon. | | | | —— | " | 2 | | | 30-00 | 73 | 68 | 66 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 371 gallons.

Water distilled during the preceding 24 hours, 1473 "

Water remaining on hand fit for use at Noon, 2384 "

Coal consumed during the preceding 24 hours, 6 tons 1495 lbs.

Coal remaining on hand at Noon, 104 " 1335 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | N.W.by W. | West. | 2 | 30-00 | 73 | 73 | 69 | bc | none 10 |
| 2 | Various courses | S.S.E. | 2 | 29-98 | 73 | 73 | 69 | bc | cir. 8 |
| 3 | standing into | " | 2 | 29-96 | 74 | 74 | 69 | " | " 7 |
| 4 | Colonia. | " | 2 | 29-94 | 74 | 73 | 69 | " | " 7 |
| 5 | S.E. by E. | E.S.E. | 2 | 29-92 | 74 | 74 | 69 | " | " 8 |
| 6 | S.E. | " | 2 | 29-92 | 76 | 75 | 71 | " | " 8 |
| 7 | " | " | 2 | 29-92 | 76 | 73 | 69 | " | " 8 |
| 8 | " | E.N.E. | 2 | 29-92 | 78 | 71 | 69 | " | " 8 |
| 9 | " | " | 2 | 29-94 | 80 | 72 | 70 | fm. | none 10 |
| 10 | " | " | 1 | 29-96 | 76 | 73 | 70 | " | 10 |
| 11 | N.N.W. | " | 1 | 29-96 | 74 | 73 | 70 | " | 10 |
| Mid. | " | " | 1 | 29-95 | 74 | 73 | 70 | " | 10 |

under the command of W. W. Mead, Commander U.S.N., U. S. Navy,
Wednesday, December 7, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear. Fresh to moderate N.E. breeze. distilling
W.O. Bulmer
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant. Bright moon light first part. Moderate to gentle breeze from N.E. to N.E. by N. Made preparations for great gun target practice.

F. A. Traer
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Light breeze from N.N.W. At 8.15 brought to port chain, sent out boats with observers at 8.30. At 9.00 got up port anchor, went to general quarters at 9.18. commenced firing at target, steaming between the observers. Finished firing at target at 11.20 and anchored at 11.30, with port anchor, 36 fathoms port chain. Banked fires. picked up target and planted it for small arm fire. Expended 12 - 6in. charges and 12 filled shell; 6 - 8 in. charges and 6 - 8 in filled shell. 6 - 60 pounder charges and 6 - 60 pounder shell: 6 - 3 in charges and 6 - 3 in Shrapnel.

C. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Clear. Light breeze from the West to S.S.E. At 1.20 got underway - planted buoys and 1st & 2d riflemen fired in turn at target, ship under way. At 2.35 picked up target and buoys and headed in to Colonia harbor, Navigator at conn. At 3.45 called all hands, furing ship to anchor and at 4.00 let go starboard anchor. Distilling. Commanding Officer awarded following punishment, Enright J.F. (Coal Heaver). inattention to orders. 4 hours extra watch. Peter Hand (Waterender). was brought to mast and Specification of charges preferred against him were delivered to him. Draft on coming to - Aft 16 ft. 2 in. Amidships 15 ft. Forward 13 ft. 10 in.

W.O. Bulmer
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Light breezes from S.E. and E.N.E. Let go port anchor and moored ship with 45 fathoms on both chains. Sent down topgallant yards. Hauled fires except under distilling boiler. Bearings at moorings. Farallon Lt. S.W. ½ W. 28 (mag). Colonia Lt. E.S.E. ¾ E. - San Benito Church Spire - N. by E. 3/8 E.

C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight
Clear. Light breeze to light airs from E.N.E.
Examined and found to be correct
distilling.
W.O. Bulmer
Ensign U.S.N.

E. K. Lewis Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Colonia. Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.W. | East. | 1 | | | 29-95 | 72 | 72 | 69 | | b | none | 10 | |
| 2 | | | | " | N.NE. | 1 | | | 29-95 | 72 | 72 | 69 | | " | " | 0 | |
| 3 | | | | " | Calm. | 0 | | | 29-95 | 72 | 72 | 69 | | " | " | 10 | |
| 4 | | | | " | " | 0 | | | 29-95 | 72 | 72 | 69 | | b.c. | cir. cumu | 9 | |
| 5 | | | | N.N.W. | N.E. | 1 | | | 29-95 | 72 | 72 | 70 | | " | cir. cumu. str. | 6 | |
| 6 | | | | E. by S. | " | 2 | | | 29-95 | 70 | 68 | 66 | | " | " | 8 | |
| 7 | | | | S.E. by S. | " | 2 | | | 29-95 | 72 | 70 | 67 | | " | cir. cumu | 9 | |
| 8 | | | | " | S.E. | 1 | | | 29-96 | 73 | 72 | 69 | | " | " | 7 | |
| 9 | | | | " | S.E. by S. | 2 | | | 29-98 | 74 | 73 | 70 | | " | " | 7 | |
| 10 | | | | S.E. | S.E. by E. | 2 | | | 29-98 | 75 | 75 | 71 | | " | cir. cumu. str. | 7 | |
| 11 | | | | S.S.W. | " | 3 | | | 29-97 | 75 | 75 | 72 | | " | " | 6 | |
| Noon. | | | | N.W. by N. | " | 3 | | | 29-96 | 75 | 75 | 71 | | " | " | 5 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 392 gallons.

Water distilled during the preceding 24 hours, 162 "

Water remaining on hand fit for use at Noon, 2944 "

Coal consumed during the preceding 24 hours, 1 tons 710 lbs.

Coal remaining on hand at Noon, 103 " 625 "

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.W. | E.S.E. | 3 | | | 29-96 | 74 | 75 | 71 | | b.c. | cir cumu | 6 | |
| 2 | | | | N. N.W. | " | 3 | | | 29-94 | 75 | 75 | 70 | | " | " | 4 | |
| 3 | | | | E.S.E. | " | 4 | | | 29-93 | 75 | 75 | 71 | | b.c.g. | " | 1 | |
| 4 | | | | S.E. by E. | " | 3 | | | 29-92 | 75 | 74 | 70 | | " | cir. cumu. str. | 1 | |
| 5 | | | | S.E. | East | 4 | | | 29-91 | 75 | 73 | 70 | | " | " | 1 | |
| 6 | | | | " | " | 4 | | | 29-90 | 74 | 72 | 69 | | b.c. | cumu. str. | 0 | |
| 7 | | | | " | " | 4 | | | 29-90 | 74 | 71 | 69 | | " | " | 0 | |
| 8 | | | | " | E by S. | 4 | | | 29-89 | 78 | 71 | 68 | | " | " | 0 | |
| 9 | | | | S.E. by E | " | 4 | | | 29-90 | 79 | 71 | 68 | | " | cum. nimbus | 0 | |
| 10 | | | | " | " | 4 | | | 29-92 | 79 | 71 | 68 | | c.l. | " | 0 | |
| 11 | | | | E.S.E. | " | 4 | | | 29-92 | 75 | 69 | 66 | | l.c.p. | " | 0 | |
| Mid. | | | | N. by E. | " | 4 | | | 29-89 | 75 | 69 | 67 | | " | " | 0 | |

under the command of W. H. Mead, Commander, U. S. Navy,
Thursday, December 8, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.
Clear and pleasant. Light airs from East to N.N.E. first part: calm latter part. Distilling.

Geo. W. Holman
Lieut. U.S.N.

4 to 8 P.M.
Mostly clear and pleasant. Light airs and breezes from N.E. and S.E. Executed morning orders; planted rifle and revolver targets and began firing at same with Navigators' Division. Stopped distilling and hauled fires

C. M. Simons
Ensign U.S.N.

8 P.M. to Meridian.
Clear. Light to gentle breeze from S.E. by S. to S.E. by E. At 9.30 mustered at quarters. Navigators division finished rifle and pistol practice. 1st Division firing with rifle and pistol. Commanding Officer awarded the following punishments, viz:- Sheppard (Steerage Cook) Eating food prepared by Steward for Officer of the morning watch. 4 hours extra watch; - Nielsen (Seaman) Persistent profanity refusing to obey when ordered to stop. 4 hours extra watch. Officer went to return boarding visit received yesterday from the Capitaina del Puerto. Overhauled both bower chains.

W. O. Bulmer
Ensign U.S.N.

Meridian to 4 P.M.
Clouding over. Stormy in the S'd. and W'd. latter part of watch. Gentle to moderate breeze from E.S.E. First and Second Divisions engaged in rifle and revolver target practice from ship.

Geo. W. Holman
Lieut. U.S.N.

4 to 8 P.M.
Overcast, very heavy clouds to S'd and W'd. Moderate breze from the East to E by S. Transported sheet anchor. Hoisted in target platform. At 7.01 housed topgallant mast.

W. O. Bulmer
Ensign U.S.N.

8 P.M. to Midnight.
Overcast. Moderate breeze from E by S. A few flashes of distant lightning in the S.E. first hour. Passing showers latter part.

Geo. W. Holman
Lieut. U.S.N.

Examined and found to be correct.

H. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

Colonia, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.W. | E by S. | 3 | | | 29-89 | 70 | 69 | 66 | | o.c.r. | nim | 0 | |
| 2 | | | | " | " | 3 | | | 29-89 | 70 | 68 | 66 | | " | " | 0 | |
| 3 | | | | " | " | 4 | | | 29-86 | 69 | 67 | 66 | | r.c.fr. | " | 0 | |
| 4 | | | | " | " | 5 | | | 29-85 | 69 | 67 | 65 | | r.c. | " | 0 | |
| 5 | | | | W.N.W. | E.S.E | 3 | | | 29-87 | 68 | 67 | 65 | | o.c.r. | " | 0 | |
| 6 | | | | " | " | 3 | | | 29-90 | 68 | 67 | 65 | | " | " | 0 | |
| 7 | | | | E.S.E. | " | 3 | | | 29-90 | 69 | 67 | 66 | | " | " | 0 | |
| 8 | | | | " | E by S | 3-4 | | | 29-89 | 69 | 66 | 65 | | " | " | 0 | |
| 9 | | | | S.E. | E.N.E. | 3 | | | 29-85 | 70 | 65 | 64 | | o.c. | cum. nim | 0 | |
| 10 | | | | " | S.E. | 1 | | | 29-87 | 71 | 66 | 65 | | " | " | 0 | |
| 11 | | | | " | " | 2 | | | 29-87 | 71 | 66 | 64 | | " | " | 0 | |
| Noon. | | | | S.W. | " | 1 | | | 29-84 | 71 | 66 | 64 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 386 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2558 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 103 " 225 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | N.W. by N. | North. | 2 | 29-85 | 71 | 68 | 66 | o.c. | cum. nim. | 1 |
| 2 | N.W. by W. | S. S.W. | 3 | 29-84 | 72 | 69 | 67 | " | " | 0 |
| 3 | W. by N. | " | 5 | 29-85 | 71 | 67 | 66 | o.c.r. | " | 0 |
| 4 | S. S.W. | S.S.E. | 6 | 29-85 | 70 | 66 | 65 | o.c. | " | 0 |
| 5 | S.E. | S.E. by S. | 6-7 | 29-87 | 70 | 63 | 62 | r.c.gr. | " | 0 |
| 6 | S.E. by S. | S.S.E. | 6-7 | 29-92 | 73 | 63 | 61 | o.c.gr. | " | 0 |
| 7 | " | " | 6-7 | 29-94 | 73 | 62 | 60 | " | " | 0 |
| 8 | " | " | 6-7 | 29-97 | 73 | 60 | 57 | " | " | 0 |
| 9 | S.S.E | " | 5-8 | 30-01 | 72 | 59 | 57 | " | " | 0 |
| 10 | " | " | 5-8 | 30-03 | 72 | 57 | 56 | fog | cum. | 2 |
| 11 | " | " | 5-8 | 30-05 | 68 | 56 | 54 | " | " | 2 |
| Mid. | S. by E. | South | 5-8 | 30-05 | 66 | 55 | 53 | " | " | 5 |

under the command of W. L. Mead. Commander, U. S. Navy,
Friday. December 9, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Cunt & A.M.
Overcast and cloudy, gentle to stiff breeze from E by S.
W. Lyman Field.
Ensign U.S.N.

4 to 8 A.M.
Overcast and raining. Gentle to moderate breeze from E.S.E. to E by S. Cleaned bilges.
W. Bulmer
Ensign U.S.N.

8 A.M. to Meridian.
Overcast. Gentle breeze to light airs from E.N.E. backing to S.E. Passing showers over the land. Observed a number of water spouts to the Eª. At 9.30 mustered at quarters and drilled according to routine. Second division engaged in revolver target practice. By order of the Commanding Officer J. O'Donnell, (Landsman) was put in confinement in double irons for five days for insubordination.
Geo. W. Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Overcast and cloudy. Commenced raining. Light to strong breeze from North hauling to S.S.W. and S.E.
W. Lyman Field
Ensign U.S.N.

4 o'clock to 8 P.M.
Overcast. Heavy masses of passing clouds. Several passing showers in sight. Very black clouds around horizon towards sunset. Fresh breeze with very flash squalls from S.E. by S to S.S.E. Veered to 60 fathoms on each chain. At 6.15 mustered at quarters.
Geo. W. Holman
Lieut. U.S.N.

8 P.M. to Midnight.
Overcast then clearing. Stiff breeze to moderate gale from S.S.E.
W. Lyman Field.
Ensign U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex ,3d Rate,

Colonia, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S by E. | South. | 4-8 | | | 30-06 | 64 | 54 | 52 | | Log. | Cir. Cum. Nim. | 4 | |
| 2 | | | | " | " | 4-7 | | | 30.07 | 62 | 53 | 52 | | " | " | 5 | |
| 3 | | | | " | " | 3-6 | | | 30-08 | 61 | 62 | 51 | | " | " | 4 | |
| 4 | | | | " | " | 4-8 | | | 30-10 | 60 | 52 | 51 | | " | " | 5 | |
| 5 | | | | " | " | 5-7 | | | 30-11 | 60 | 52 | 50 | | " | Cir. Cum. | 7 | |
| 6 | | | | " | " | 5-7 | | | 30-13 | 59 | 52 | 50 | | " | " | 8 | |
| 7 | | | | " | " | 4-7 | | | 30-15 | 60 | 52 | 50 | | " | " | 8 | |
| 8 | | | | " | S by E. | 4-7 | | | 30-16 | 60 | 53 | 50 | | " | " | 8 | |
| 9 | | | | " | " | 5-6 | | | 30-18 | 62 | 54 | 51 | | " | " | 8 | |
| 10 | | | | South. | South. | 4-6 | | | 30-19 | 62 | 55 | 51 | | " | " | 4 | |
| 11 | | | | S.W. by S. | " | 4-6 | | | 30-19 | 64 | 57 | 54 | | " | " | 4 | |
| Noon. | | | | S.W. by W. | S.SW | 4-6 | | | 30-19 | 64 | 58 | 56 | | " | " | 4 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 330 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2228 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 102 " 2065 "

| P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | West. | South. | 4-6 | 30-16 | 64 | 60 | 57 | Log. | Cum. | 4 | |
| 2 | " | " | 3-6 | 30-16 | 64 | 61 | 58 | " | " | 1 | |
| 3 | W by N. | S by W. | 3-6 | 30-16 | 64 | 61 | 58 | " | " | 1 | |
| 4 | W. by S. | " | 3-6 | 30-16 | 64 | 61 | 59 | " | " | 2 | |
| 5 | " | " | 3-6 | 30-17 | 64 | 61 | 59 | " | " | 1 | |
| 6 | S. by E. | South. | 3-6 | 30-19 | 64 | 60 | 57 | " | " | 3 | |
| 7 | South. | " | 4 | 30-20 | 66 | 60 | 57 | hc. | Cir. Cum. | 4 | |
| 8 | S.S.E. | S.E. | 4 | 30-20 | 71 | 59 | 57 | " | " | 4 | |
| 9 | " | " | 4 | 30-20 | 70 | 59 | 57 | " | " | 7 | |
| 10 | " | S by E. | 4 | 30-20 | 68 | 58 | 56 | " | " | 7 | |
| 11 | South. | " | 4 | 30-20 | 65 | 59 | 57 | " | " | 8 | |
| Mid. | S.S.W. | South | 5 | 30-20 | 62 | 59 | 58 | " | " | 8 | |

under the command of W. W. Mead, Commander, U. S. Navy,
Saturday, December 10, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy - cold - barometer rising - wind from S. - force of fresh breeze to moderate gale - moderating at middle of watch and increasing again at end.

N. J. Newlin
Lieut. U.S.N.

4 o'clock to 8 A.M.
Clear and cool. Stiff to moderate breeze with very fresh squalls from South to S. by E.

Geo. L. Colhoun
Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy. Moderate to fresh breezes from South and S.S.W.
By order of the Commanding Officer - J. Pingree (C. H.) was put in confinement for five days on bread and water, for being drunk on board ship and disrespectful to Officer of Deck.
A Summary Court Martial for the trial of Peter Hand (Stateroom Steward) convened at 10.00 and took a recess at 11.30

W. Ry Mason Field
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy and pleasant - barometer steady - gentle to fresh breeze from South and S. by W, with occasional squalls.
Summary Court in the case of Peter Hand (N.S.) met at 1.00 and adjourned at 2.00, having finished the case.

N. J. Newlin
Lieut. U.S.N.

4 To 8 P.M.
Cloudy - gentle to very fresh breeze from S by W and South. Hove the mooring swivel up to port hawse pipe and secured port chain. Sent up topgallant masts and crossed topgallant yards

W. Ry Mason Field
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant - barometer steady - moderate to fresh breeze from S.S.E - S by E. and South.

N. J. Newlin
Lieut. U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Colonia Uruguay

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | South. | 5 | | | 30-18 | 62 | 59 | 58 | | b | none | 10 | |
| 2 | | | | " | " | 5 | | | 30-16 | 62 | 58 | 57 | | " | " | 10 | |
| 3 | | | | " | " | 5 | | | 30-15 | 62 | 57 | 57 | | " | " | 10 | |
| 4 | | | | " | " | 4 | | | 30-15 | 61 | 57 | 56 | | " | " | 10 | |
| 5 | | | | " | " | 4 | | | 30-16 | 60 | 57 | 56 | | bc | cir. cum. etc. | 8 | |
| 6 | | | | " | " | 4 | | | 30-17 | 60 | 57 | 56 | | " | " | 8 | |
| 7 | | | | " | " | 4 | | | 30-17 | 60 | 56 | 56 | | " | " | 7 | |
| 8 | | | | W by N. | " | 3-4 | | | 30-19 | 60 | 56 | 55 | | " | " | 7 | |
| 9 | | | | W.S.W. | S.S.W. | 3 | | | 30-20 | 62 | 57 | 55 | | " | cir. cum | 4 | |
| 10 | | | | S.S.W. | " | 2 | | | 30-20 | 62 | 57 | 54 | | " | " | 4 | |
| 11 | | | | " | " | 2 | | | 30-20 | 63 | 59 | 55 | | " | " | 4 | |
| Noon. | | | | S.W. by W. | S.W. by W. | 2 | | | 30-20 | 65 | 60 | 56 | | " | " | 5 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1838 "

Coal consumed during the preceding 24 hours, tons 1080 lbs.

Coal remaining on hand at Noon, 102 " 985 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | W.N.W. | W.N.W. | 1 | 30-20 | 65 | 63 | 59 | bc | cir. cum 8 |
| 2 | N.W. | N.W. | 1 | 30-19 | 65 | 63 | 59 | " | " 6 |
| 3 | " | " | 1 | 30-18 | 67 | 64 | 60 | " | " 6 |
| 4 | " | " | 1 | 30-17 | 68 | 65 | 60 | " | " 6 |
| 5 | " | " | 1 | 30-16 | 68 | 64 | 60 | b | none 10 |
| 6 | " | " | 1 | 30-14 | 70 | 66 | 61 | " | " 10 |
| 7 | " | " | 2 | 30-13 | 71 | 64 | 60 | " | " 10 |
| 8 | N.E. | N.N.W. | 2 | 30-13 | 73 | 65 | 60 | " | " 10 |
| 9 | S.E. | N.N.E. | 3 | 30-13 | 73 | 65 | 61 | bc | cir. cum 9 |
| 10 | " | N.E. | 3 | 30-14 | 71 | 63 | 60 | b | none 10 |
| 11 | " | " | 3 | 30-14 | 66 | 61 | 59 | " | " 10 |
| Mid. | E.S.E. | " | 3 | 30-13 | 65 | 61 | 58 | " | " 10 |

under the command of W. K. Mead, Commander, U. S. Navy,
Sunday, December 11, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Until 4 A.M.
Clear, bright moon and starlight. Stiff to moderate breeze from South.

W. H. Wilmer
Lieut. U. S. N.

4 to 8 A.M.
Clear and fine. Moderate breeze from South. Received in Pay Department 74 lbs soft bread, 92½ lbs fresh beef and 92½ lbs vegetables.

W. Ry Mann Jr.
Ensign U. S. N.

8 A.M. to Meridian.
Cloudy and pleasant. barometer steady - gentle to light breeze from S S W and S. W. by W. At 9.30 quarters Commanding Officer inspected ship and crew.

J. J. Newton
Lieut. U. S. N.

Meridian to 4 P.M.
Partly cloudy, pleasant weather. Light airs from W. N. W. and N. W.

W. H. Wilmer
Lieut. U. S. N.

4 to 8 P.M.
Clear and pleasant. barometer falling slowly - light airs from N. W. - C. Smith (Ship's Bugler) was brought on board from liberty - drunk and noisy - By order of Commanding Officer he was placed in double irons under sentry's charge.

J. J. Newton
Lieut. U. S. N.

8 P.M. to Midnight.
Clear and pleasant. Starlight. Gentle breeze from N. N. E. to N. E. Chas Smith (Ship's Bugler) was released from sentry's charge by order of Commanding Officer.

W. H. Wilmer
Lieut. U. S. N.

Examined and found to be correct.

C. K. Curtis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Colonia, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N. N.W. | N.N.W. | 2 | | | 30-12 | 65 | 60 | 58 | | bc | Cum. str. | 9 | |
| 2 | | | | " | " | 2 | | | 30-12 | 64 | 61 | 58 | | b | none | 10 | |
| 3 | | | | " | " | 3 | | | 30-11 | 64 | 60 | 57 | | " | " | 10 | |
| 4 | | | | " | " | 3 | | | 30-11 | 64 | 60 | 56 | | bc | Cum. str. | 8 | |
| 5 | | | | N.W by N. | " | 3 | | | 30-11 | 63 | 59 | 56 | | " | Cir. Cum. | 9 | |
| 6 | | | | " | " | 3 | | | 30-10 | 63 | 59 | 57 | | " | " | 9 | |
| 7 | | | | N.W. | N.W. by W. | 3 | | | 30-11 | 64 | 60 | 56 | | " | Cum. | 9 | |
| 8 | | | | " | N.W. | 3 | | | 30-11 | 65 | 63 | 58 | | " | " | 9 | |
| 9 | | | | " | " | 3 | | | 30-13 | 66 | 65 | 60 | | b | none | 10 | |
| 10 | | | | " | W.NW. | 3 | | | 30-13 | 67 | 67 | 61 | | " | " | 10 | |
| 11 | | | | " | " | 3 | | | 30-13 | 70 | 68 | 63 | | " | " | 11 | |
| Noon. | | | | " | " | 3 | | | 30-13 | 70 | 70 | 64 | | bc | Cum. str. | 9 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 365 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1473 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 102 " 385 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | W.N.W. | W.N.W. | 3 | 30-12 | 71 | 71 | 65 | ba | Cir. Cum. | 8 | |
| 2 | N.W. by W. | N.W. by W. | 3 | 30-11 | 71 | 71 | 66 | " | " | 8 | |
| 3 | " | N.W. | 2 | 30-09 | 72 | 71 | 65 | " | " | 8 | |
| 4 | N.W. by N. | N.W. by N. | 2 | 30-08 | 72 | 72 | 65 | " | " | 8 | |
| 5 | N.W. | N.W. | 1 | 30-05 | 72 | 72 | 65 | " | " | 7 | |
| 6 | " | " | 2 | 30-05 | 74 | 73 | 66 | " | " | 8 | |
| 7 | " | " | 1 | 30-05 | 75 | 72 | 67 | " | Cir. Cum. str. | 7 | |
| 8 | " | " | 1 | 30-05 | 74 | 71 | 67 | " | " | 7 | |
| 9 | E.S.E. | N.N.W. | 2 | 30-05 | 77 | 71 | 67 | b | none | 10 | |
| 10 | S.E. | North. | 2 | 30-05 | 76 | 70 | 65 | " | " | 0 | |
| 11 | " | " | 2 | 30-05 | 72 | 70 | 65 | " | " | 10 | |
| Mid. | " | N.N.E | 2 | 30-05 | 71 | 70 | 65 | " | " | 10 | |

under the command of W. W. Mead, Commander, U. S. Navy,
Monday, December 12, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Light and gentle breezes from N.N.W.

C. M. Stone
Ensign U.S.N.

4 to 8 A.M.
Bright and pleasant. Barometer steady, gentle breeze from N.N.W. N.W. by W. and N.W. Received in Pay-Department 74 lbs soft bread, 92½ lbs. fresh beef, 92½ lbs fresh vegetables. Third division finished rifle and revolver target practice.

J. T. Newton.
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Gentle breeze from N.W. and W.N.W. At 9.15 loosed sails. 9.30 inspected at quarters; - Jere Mahoney (Coal Heaver), P. Dougherty (Private) and R. Sherlock (Private) absent without leave. 2d Division - Engineer's Division and Powder Division engaged at rifle and revolver target practice. Sent an officer to call upon the Governor of Colonia. Summary Court Martial re-convened by order of revising authority. The Commanding Officer adjudged the following punishments, viz;- Carman W. H. (Private) Setting down and reading on post - extra watch, 4 hours - 3 nights; Smith Charles (Ships Bugler) - drunk from liberty - Noisy and disorderly on Berth Deck, - 4th class 2 months. Summary Court Martial adjourned to await action of convening authority.

F. H. Wilcox
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light and gentle breezes from W.N.W. to N.W. by N. At 100 called all hands to muster and published order convening Summary Court Martial for trial of Peter Hand (Waiter) on specification, finding and sentence. The sentence of the court was confinement in double irons for ten (10) days and loss of pay for twenty days amounting to $31.67. By order of Commanding Officer confined Peter Hand in double irons for ten days. Firing at pistol and rifle-targets. Finished the revolver firing and fired 1st and 2d boarders.

C. M. Stone
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant weather. Light breeze to light airs from N.W. Furled sail at 4.30. Mustered at quarters at 6.15; - P. Dougherty (Private) A. Sherlock (Private) and Jere Mahoney (Coal Heaver) absent without leave.

F. H. Wilcox
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Light breezes from N.N.W., North, and N.N.E. J. Mahoney (Coal Heaver) and P. Dougherty (Private) returned on board 2 hours overtime.

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex , 3d. Rate,

Colonia, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.E. | N.N.W. | 2 | | | 30-05 | 70 | 69 | 65 | | bc. | Ci cum | 9 | |
| 2 | | | | E.S.E. | " | 4 | | | 30-03 | | 69 | 66 | 61 | " | " | 8 | |
| 3 | | | | N.E. | " | 4 | | | 30-03 | | 69 | 65 | 61 | " | " | 9 | |
| 4 | | | | N.W by N. | " | 3 | | | 30-03 | | 69 | 65 | 61 | " | " | 4 | |
| 5 | | | | " | " | 3 | | | 30-04 | | 68 | 65 | 62 | " | cir | 8 | |
| 6 | | | | " | " | 3 | | | 30-04 | | 68 | 64 | 60 | " | " | 0 | |
| 7 | | | | N.W. | N.W. | 3 | | | 30-07 | | 70 | 67 | 65 | " | " | 9 | |
| 8 | | | | " | W.N.W. | 3 | | | 30-08 | | 71 | 69 | 65 | b. | none | 10 | |
| 9 | | | | W.N.W. | " | 3 | | | 30-07 | | 72 | 70 | 67 | bc. | Ci cum. | 9 | |
| 10 | | | | " | " | 2 | | | 30-06 | | 72 | 71 | 68 | " | " | 9 | |
| 11 | | | | West | " | 2 | | | 30-07 | | 72 | 73 | 69 | " | " | 8 | |
| Noon. | | | | S.E. | " | 2 | | | 30-07 | | 73 | 73 | 71 | " | " | 7 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 380 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 10 93 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 102 " 185 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | S by E. | West. | 1 | 30-07 | 74 | 74 | 71 | bc | cum. | 6 | |
| 2 | | S.E. | E.S.E. | 4 | 30-11 | 73 | 70 | 67 | " | " | 8 | |
| 3 | | " | " | 4 | 30-14 | 73 | 69 | 66 | " | " | 8 | |
| 4 | | " | " | 4 | 30-14 | 72 | 67 | 64 | " | " | 8 | |
| 5 | | S.E. by E | " | 5 | 30-15 | 72 | 66 | 62 | " | " | 8 | |
| 6 | | " | " | 5 | 30-16 | 72 | 65 | 62 | " | " | 8 | |
| 7 | | E.S.E. | " | 5 | 30-18 | 73 | 64 | 62 | " | " | 8 | |
| 8 | | " | " | 5 | 30-20 | 76 | 65 | 62 | " | " | 8 | |
| 9 | | " | E. by S. | 5 | 31-22 | 76 | 64 | 62 | " | " | 8 | |
| 10 | | " | E.S.E. | 5 | 30-22 | 78 | 64 | 62 | " | " | 8 | |
| 11 | | " | " | 4 | 30-22 | 72 | 65 | 63 | b. | none | 10 | |
| Mid. | | SE | " | 4 | 30-22 | 70 | 64 | 62 | " | " | 10 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, December 13, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Light to moderate N.N.W. breeze

W.O. Hulme
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant. Gentle breeze from N.W. and W.N.W. 2d Company, with Lieut Holman in charge went on shore for volley firing. Marine Guard engaged at rifle target practice

[illegible]
Lieut, U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Light and gentle breezes from N.W. Second Company returned on board and sent 3d Company on shore for practice. Firing at rifle target. Private R. Sherlock, was absent without leave.

C.M. Crowe
Ensign U.S.N.

Meridian to 4 P.M.
Generally clear. Light airs to moderate breeze from the West to E.S.E. Engineers Division finished rifle practice. Prepared to land marines for firing exercises on shore, but delayed on account of wind. Messenger came from Jefe Politico to protest against our landing men on San Gabriel Island. Sent party to put out fire on that Island.

W.O. Hulme
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Stiff breezes from E.S.E. At 6.15 mustered at quarters. R Sherlock (Private) absent without leave. Party returned from San Gabriel Island.

C.M. Crowe
Ensign U.S.N.

8 P.M. to Midnight.
Clear. Stiff to moderate breeze from E. by S. to E.S.E.

W.O. Hulme
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut, Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Colonia. Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.E. | East. | 3 | | | 30-23 | 68 | 63 | 61 | | b.w. | none | 10 | |
| 2 | | | | E.S.E. | " | 3 | | | 30-23 | 67 | 62 | 60 | | " | " | 10 | |
| 3 | | | | East. | E.N.E. | 3 | | | 30-23 | 66 | 61 | 59 | | " | " | 10 | |
| 4 | | | | North. | " | 3 | | | 30-23 | 59 | 59 | 58 | | " | " | 10 | |
| 5 | | | | N.W.by N. | N.E. | 3 | | | 30-24 | 58 | 58 | 57 | | b.c. | Cir. cum. | 8 | |
| 6 | | | | " | " | 3 | | | 30-25 | 61 | 56 | 55 | | " | " | 8 | |
| 7 | | | | " | " | 3 | | | 30-26 | 64 | 59 | 54 | | " | " | 9 | |
| 8 | | | | " | NE. by E. | 3 | | | 30-28 | 65 | 60 | 58 | | " | " | 9 | |
| 9 | | | | " | E.N.E. | 3 | | | 30-28 | 65 | 60 | 62 | | " | " | 7 | |
| 10 | | | | " | East | 3 | | | 30-31 | 65 | 65 | 63 | | " | " | 7 | |
| 11 | | | | N.N.W. | E.S.E | 3 | | | 30-31 | 65 | 67 | 64 | | " | " | 8 | |
| Noon. | | | | N.N.E. | " | 3 | | | 30-31 | 67 | 68 | 65 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 361 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 732. "

Coal consumed during the preceding 24 hours, tons 740 lbs.

Coal remaining on hand at Noon, 101 " 1685 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | S.E. | S.E. by E | 3 | 30-30 | 68 | 66 | 63 | | b.c | cir. cum. | 8 | | |
| 2 | | " | " | 3 | 30-30 | 70 | 67 | 63 | | " | " | 8 | | |
| 3 | | " | " | 3 | 30-30 | 69 | 66 | 63 | | " | " | 8 | | |
| 4 | | " | " | 3 | 30-28 | 69 | 66 | 64 | | " | " | 8 | | |
| 5 | | E.S.E. | " | 4 | 30-30 | 67 | 67 | 64 | | " | " | 7 | | |
| 6 | | " | " | 4 | 30-29 | 69 | 67 | 64 | | " | " | 7 | | |
| 7 | | " | " | 4 | 30-29 | 71 | 65 | 63 | | " | " | 7 | | |
| 8 | | East | East | 4 | 30-30 | 73 | 65 | 63 | | " | " | 8 | | |
| 9 | | " | E. by S. | 4 | 30-30 | 75 | 65 | 64 | | " | " | 7 | | |
| 10 | | E.S.E. | " | 4 | 30-30 | 75 | 65 | 64 | | " | " | 7 | | |
| 11 | | " | E.N.E. | 4 | 30-30 | 70 | 65 | 64 | | " | " | 8 | | |
| Mid. | | " | " | 4 | 30-30 | 68 | 64 | 63 | | " | " | 9 | | |

under the command of W. W. Mead. Commander, U. S. Navy,

Wednesday December 14, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Heavy dew. Gentle breeze from East to E.N.E.

Jas. L. Kilman
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant. Gentle breezes from N.E. and N.E.by E. Planted target and began sub-calibre firing with Navigator's division. Received in by Department 914 lbs. fresh beef and vegetables and 73 lbs soft bread.

C. M. Stone
Ensign U.S.N.

8 A.M. to Meridian.
Clear. Gentle breeze from E.N.E. to E.S.E. At 9.30 mustered at quarters. absent without leave R. Sherlock (Private M.C.). At 9.36 called all hands. clear ship for action. Ready 19 minutes. At 10.4. went to general quarters, times as follows — 1st Division ready 1m; 2d Division 1m 30s; 3d Division, 1m 05s; Navigator's 1m 30s; Powder 1m 50s; Engineers 1m 09s; Marine Guard 30s; Paymaster's 1m; Surgeon's 1m 10s; At 10.46 went to fire quarters. Ready — 1st stream in 10s; 2d stream 45s; 3d stream 1m 10s. At 10.48 all hands abandon ship. Ready 7m. Secured ship. By order of Commanding Officer, Thos O'Donnell (Lds) was released from confinement and restored to duty. Engineer's Division finished and 1st Division began sub-calibre practice. Uruguayan gunboat General Artigas came into port.

W. O. Bulmer
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Gentle breeze from S.E.by E. Engaged in sub-calibre firing at target and in finishing revolver target practice. observed smoke on San Gabriel Island at 2.40 and sent a boat's crew there to extinguish the fire.

Jas. L. Kilman
Lieut. U.S.N.

4 to 8 P.M.
Clear. Gentle to moderate S.E.by E. breeze. Finished sub-calibre practice and brought in target and one buoy. At 600 started fires in distilling boiler. Put on Mainmast top covers. At 6.15 mustered at quarters. R. Sherlock (Private M.C.) returned on board 7 hours overtime

W. O. Bulmer
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Moderate breeze from E.by S. to E.N.E. At 10.32 went to general quarters. Times as follows, — 1st Division ready in 3m 50s; 2d Division, 3m 15s; 3d Division 3m; Navigator's 3m 10s; Powder, 4m 50s; Engineers 2m 40s; Marine Guard 2m 35s; Paymasters 2m 32s; Surgeons 2m 30s; Commenced distilling at 10.

Jas. L. Kilman
Lieut. U.S.N.

Examined and found to be correct.

Le K. Lewis
Lieut.-Navigator.

LOG of the UNITED STATES Steamer "Esco", 3rd Rate,

Colonia, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | E.S.E. | E.N.E. | 4 | | | 30-30 | 68 | 63 | 62 | | b.c. | cir. cumc. | 9 | |
| 2 | | | | S.E. by E. | " | 4 | | | 30-30 | 67 | 62 | 61 | | b. | none | 10 | |
| 3 | | | | " | " | 3 | | | 30-30 | 66 | 62 | 61 | | " | " | 10 | |
| 4 | | | | " | " | 2 | | | 30-29 | 66 | 60 | 59 | | " | " | 10 | |
| 5 | | | | N.N.E. | E.N.E. | 3 | | | 30-30 | 65 | 60 | 59 | | b.c. | cir. cumc. str. | 8 | |
| 6 | | | | N.N.W. | N.E. | 3 | | | 30-31 | 64 | 60 | 59 | | " | " | 8 | |
| 7 | | | | N.W. by N. | " | 3 | | | 30-31 | 65 | 61 | 60 | | " | " | 8 | |
| 8 | | | | " | " | 3 | | | 30-32 | 66 | 62 | 61 | | " | " | 8 | |
| 9 | | | | N.W. | E.S.E. | 3 | | | 30-32 | 67 | 65 | 63 | | " | " | 9 | |
| 10 | | | | " | " | 3 | | | 30-33 | 67 | 66 | 63 | | " | " | 8 | |
| 11 | | | | N.N.W. | " | 3 | | | 30-33 | 68 | 66 | 62 | | " | " | 8 | |
| Noon. | | | | E. by S. | " | 3 | | | 30-33 | 68 | 65 | 62 | | " | " | 7 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 361 gallons.

Water distilled during the preceding 24 hours, 1040 "

Water remaining on hand fit for use at Noon, 1403 "

Coal consumed during the preceding 24 hours, 1 tons 1135 lbs.

Coal remaining on hand at Noon, 100 " 550 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S.E. by E. | E.S.E. | 3 | 30-33 | 69 | 67 | 63 | b.c. | cir. cumc. 7 |
| 2 | " | " | 3 | 30-30 | 69 | 67 | 63 | " | " 7 |
| 3 | " | " | 4 | 30-28 | 69 | 67 | 64 | " | " 4 |
| 4 | " | " | 4 | 30-28 | 69 | 67 | 64 | " | " 4 |
| 5 | " | " | 4 | 30-28 | 70 | 67 | 64 | " | " 4 |
| 6 | " | " | 4 | 30-27 | 69 | 66 | 62 | " | " 4 |
| 7 | E.S.E. | E by S. | 4 | 30-27 | 72 | 66 | 63 | " | " 3 |
| 8 | " | " | 4 | 30-26 | 74 | 65 | 63 | " | " 3 |
| 9 | E.N.E. | " | 4 | 30-28 | 75 | 66 | 64 | " | " 5 |
| 10 | " | East. | 4 | 30-27 | 75 | 66 | 63 | " | " 5 |
| 11 | East. | E by N. | 4 | 30-27 | 70 | 65 | 62 | " | " 8 |
| Mid. | " | E.N.E. | 3 | 30-26 | 68 | 64 | 61 | " | " 8 |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday, December 15, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced until 4 to M.
Clear and fine. Moderate to light breeze from E. N. E. Distilling.

W. B. Mann Jr.
Ensign U.S.N.

4 to 8 AM.
Clear. Gentle breeze from East to N.E. Executed morning orders. Distilling

W. B. Hulme
Ensign U.S.N.

8 A.M to Meridian.
Clear and pleasant. Gentle breeze from E.S.E. At 9.30 mustered at quarters. By order of the Commanding Officer Jos. Pingree (C.H.) was released from confinement. The Commanding Officer adjudged the following punishments, Dougherty P. (Private) 24 hours overtime - 4th class 3 months and $2.50 Monthly Money; Mahoney (C.H.) 24 hours overtime - 4th Class 3 months and $2.50 Monthly Money; Sherlock R. (Private), 71 hours overtime, 4th class 3 months and $2.50 Monthly Money. Gibbons T. (Sea). Not coming aft when word was passed - 4 hours extra duty; Sahlen Chas (C.H.) Not coming aft when word was passed - 4 hours extra duty. First riflemen and second riflemen fired at target. The Gatling was exercised in firing at target from the steam launch. Distilling

H Geo. L. Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Fair and pleasant, gentle to moderate breeze from E.S.E. Lieut Curtis, Ensign Hulme and Asst. Engr. Forster left the ship on leave until Sunday. Distilling.

W. B. Mann Jr.
Ensign U.S.N.

4 o'clock to 8 P.M.
Clouding over. Bank of clouds to the Sd. Moderate breeze from E by S. to E.S.E. Distilling. At 6.15 mustered at quarters.

H Geo. L. Holman
Lieut. U.S.N.

8 P.M. to Midnight.
Fair and pleasant. Moderate breeze from East and E.N.E.

W. B. Mann Jr.
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Colonia, Thursday.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | E.S.E. | E.N.E. | 4 | | | 30-26 | 67 | 63 | 61 | | bc | Cir. cumu. | 6 | |
| 2 | | | | " | " | 4 | | | 30-26 | 67 | 62 | 60 | | o.c. | Cum. nim. | 0 | |
| 3 | | | | " | " | 4 | | | 30-26 | 65 | 62 | 60 | | " | " | 0 | |
| 4 | | | | E. by S. | " | 4 | | | 30-26 | 65 | 61 | 59 | | bc | " | 3 | |
| 5 | | | | " | " | 3 | | | 30-26 | 65 | 61 | 59 | | " | | 2 | |
| 6 | | | | North. | " | 3 | | | 30-27 | 66 | 60 | 59 | | " | Cir. cumu. str. | 6 | |
| 7 | | | | N.N.W. | N.E. | 4 | | | 30-26 | 66 | 60 | 59 | | " | " | 8 | |
| 8 | | | | " | " | 4 | | | 30-27 | 67 | 63 | 61 | | " | " | 8 | |
| 9 | | | | NW. by N. | " | 3 | | | 30-28 | 68 | 67 | 64 | | " | Cir. cumu. | 9 | |
| 10 | | | | N.N.W. | East. | 4 | | | 30 | 28 | 71 | 70 | 66 | " | " | 8 | |
| 11 | | | | " | " | 4 | | | 30-27 | 69 | 72 | 68 | | " | " | 8 | |
| Noon. | | | | " | " | 4 | | | 30-26 | 70 | 72 | 69 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 356 gallons.

Water during the preceding 24 hours, 1913 "

Water remaining on hand fit for use at Noon, 2960 "

Coal consumed during the preceding 24 hours, 1 tons 625 lbs.

Coal remaining on hand at Noon, 98 " 2165 "

| P. M. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | E. by S. | E.S.E. | 4 | 30-26 | 71 | 69 | 66 | bc | cir str | 9 |
| 2 | S.E. by E. | " | 4 | 30-26 | 71 | 69 | 64 | " | " | 6 |
| 3 | E.S.E. | " | 4 | 30-24 | 72 | 68 | 65 | " | " | 9 |
| 4 | S.E. | " | 4 | 30-22 | 73 | 68 | 64 | " | " | 9 |
| 5 | S.E. by E. | " | 5 | 30-21 | 72 | 68 | 65 | " | " | 8 |
| 6 | " | " | 5 | 30-20 | 72 | 67 | 65 | " | " | 8 |
| 7 | E.S.E. | E.S.E. | 5 | 30-19 | 73 | 67 | 65 | " | " | 8 |
| 8 | E. by S. | East. | 4 | 30-19 | 75 | 67 | 65 | " | " | 8 |
| 9 | N.E. | E.N.E. | 5 | 30-19 | 74 | 68 | 66 | " | " | 8 |
| 10 | North. | " | 5 | 30-20 | 75 | 68 | 66 | bc | none | 10 |
| 11 | N. by W. | " | 4 | 30-19 | 69 | 66 | 63 | " | " | 10 |
| Mid. | " | " | 4 | 30-19 | 69 | 66 | 63 | " | " | 10 |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday, December 16, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy or overcast. barometer steady. moderate breeze from E.N.E. Moon rose at 2.48 A.M. Carman (Private M.C.) stood extra watch from 12 to 4. Distilling.

J. T. Newton
Lieut. U.S.N.

4 o'clock to 8 A.M.

Clearing. Gentle to moderate breeze from E.N.E. to N.E. Engaged in breaking out the hold. Distilling. Received on board for use of the crew 92½ lbs each fresh beef and vegetables and 74 lbs bread.

H Geo. L. Wolman
Lieut. U.S.N.

8 A.M. to Meridian.

Clear and fine. Moderate breeze from N.E. and E. Broke out. white-washed and restowed the fore hold. Banked fires under distilling boiler.

F. W. Rayman Asst.
Ensign U.S.N.

Meridian to 4 P.M.

Bright and pleasant barometer falling. Moderate breeze from E. & S.E. Finished restowing fore hold.

J. T. Newton
Lieut U.S.N.

4 to 8 P.M.

Clear and fine. Stiff breeze from E.S.E.

W. Rayman Asst.
Ensign U.S.N.

8 P.M. to Midnight.

Clear and pleasant. barometer steady. fresh to moderate breeze from E.N.E.

J. T. Newton.
Lieut. U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

Colonia, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | E.N.E. | N.E. | 4 | | | 30-19 | 69 | 64 | 61 | | br. | cir. str. | 9 | |
| 2 | | | | East. | " | 4 | | | 30-19 | 65 | 63 | 61 | | b. | none | 10 | |
| 3 | | | | E.N.E. | " | 4 | | | 30-19 | 63 | 63 | 61 | | " | " | 10 | |
| 4 | | | | " | " | 4 | | | 30-19 | 63 | 61 | 60 | | b.c. | cir. str. | 6 | |
| 5 | | | | N.E. | N.N.E. | 4 | | | 30-19 | 65 | 59 | 58 | | " | " | 8 | |
| 6 | | | | N. by E. | " | 4 | | | 30-23 | 65 | 60 | 59 | | " | " | 8 | |
| 7 | | | | N. by W. | " | 4-5 | | | 30-24 | 67 | 62 | 61 | | " | " | 8 | |
| 8 | | | | N.N.W. | " | 4 | | | 30-25 | 67 | 64 | 62 | | " | " | 9 | |
| 9 | | | | " | " | 4 | | | 30-25 | 69 | 68 | 65 | | " | " | 8 | |
| 10 | | | | " | " | 3 | | | 30-23 | 71 | 70 | 67 | | " | " | 8 | |
| 11 | | | | N.W. by N. | " | 3 | | | 30-23 | 72 | 73 | 69 | | " | cir. cumu. | 9 | |
| Noon. | | | | N.N.W. | E.S.E. | 4 | | | 30-23 | 71 | 73 | 71 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 329 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2631 "

Coal consumed during the preceding 24 hours, tons 18 lbs. 45

Coal remaining on hand at Noon, 98 " 320 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | N.E. by E. | E.S.E. | 4 | 30-20 | 70 | 71 | 70 | | br. | cir. cumu. | 8 | |
| 2 | E.S.E. | " | 4 | 30-18 | 72 | 71 | 70 | | " | " | 8 | |
| 3 | " | " | 4 | 30-16 | 72 | 71 | 70 | | " | " | 8 | |
| 4 | " | " | 3 | 30-15 | 71 | 71 | 70 | | " | " | 8 | |
| 5 | " | " | 4 | 30-14 | 73 | 70 | 69 | | " | " | 7 | |
| 6 | " | " | 4 | 30-13 | 73 | 70 | 67 | | " | " | 7 | |
| 7 | " | East. | 4 | 30-12 | 75 | 69 | 65 | | " | " | 8 | |
| 8 | " | " | 4 | 30-11 | 76 | 69 | 66 | | " | " | 8 | |
| 9 | E. by N. | E. by N. | 4 | 30-11 | 76 | 69 | 65 | | " | " | 8 | |
| 10 | N. by E. | E.N.E. | 4 | 30-11 | 76 | 69 | 64 | | " | " | 8 | |
| 11 | North. | " | 3 | 30-11 | 72 | 67 | 62 | | " | " | 8 | |
| Mid. | N.N.E. | N.E. | 5 | 30-11 | 71 | 66 | 62 | | " | " | 8 | |

under the command of W. K. Mead, Commander, U. S. Navy,
Saturday December 17, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Moderate breeze from N.E. Moon rose at 3.10. Fires banked under distilling boiler.
W. F. Winn
Lieut. U.S.N.

4 to 8 A.M.
Clear and fine. Moderate breeze from N.E. Executed morning orders. Fires banked under distilling boiler.
W. Ry Mann Jr.
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant - barometer steady - moderate to gentle breeze from N.N.E. and E.S.E. - Served bedding - C. Smith (Chief Bugler), E. Johnson (Capt. Afterguard) - J.K. Anderson (Sailmaker's Mate) - reported expiration of terms of enlistment.
J.T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Moderate breeze from E.S.E. Served out clothing and small stores.
W. F. Winn
Lieut. U.S.N.

4 to 8 P.M.
Clear and pleasant - barometer falling slowly - moderate breeze from E.S.E. and East. Quarters at 6.15 - no absentees without leave.
J.T. Newton
Lieut. U.S.N.

8 P.M. to Midnight.
Clear, bright starlight. Moderate to stiff breeze from East to N.E.
W. F. Winn
Lieut. U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Colonia, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.E. | 5 | | | 30-12 | 71 | 65 | 61 | | b.c. | Cumu. str. | 9 | |
| 2 | | | | " | " | 4 | | | 30-11 | 69 | 64 | 60 | | " | " | 9 | |
| 3 | | | | N.E by E. | " | 4 | | | 30-11 | 69 | 64 | 60 | | " | " | 9 | |
| 4 | | | | " | " | 4 | | | 30-11 | 67 | 64 | 61 | | " | " | 7 | |
| 5 | | | | N.E. | " | 4 | | | 30-12 | 67 | 62 | 59 | | " | Cu. str. | 5 | |
| 6 | | | | N.E by N. | " | 4 | | | 30-13 | 64 | 62 | 59 | | " | " | 8 | |
| 7 | | | | N.N.E. | " | 4 | | | 30-14 | 67 | 64 | 61 | | " | " | 8 | |
| 8 | | | | N.N.W. | N.N.E. | 3 | | | 30-18 | 71 | 67 | 65 | | " | " | 9 | |
| 9 | | | | " | E.N.E. | 3 | | | 30-19 | 71 | 70 | 67 | | " | " | 9 | |
| 10 | | | | " | " | 3 | | | 30-19 | 71 | 72 | 67 | | " | " | 9 | |
| 11 | | | | N.W. | E by S. | 4 | | | 30-18 | 69 | 70 | 67 | | " | " | 9 | |
| Noon. | | | | " | " | 4 | | | 30-17 | 69 | 71 | 67 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 373 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2258 "

Coal consumed during the preceding 24 hours, tons 1930 lbs.

Coal remaining on hand at Noon, 97 " 630 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | N.N.W. | East. | 4 | 30-14 | 69 | 71 | 68 | b.c. | cir cum. 7 |
| 2 | E.S.E. | E.S.E. | 4 | 30-12 | 71 | 71 | 68 | " | " 7 |
| 3 | " | " | 4 | 30-11 | 72 | 72 | 70 | " | " 4 |
| 4 | " | " | 4 | 30-08 | 72 | 72 | 70 | " | " 4 |
| 5 | S.E by E. | " | 4 | 30-05 | 72 | 72 | 70 | " | " 4 |
| 6 | " | " | 4 | 30-04 | 73 | 71 | 70 | " | " 3 |
| 7 | E.S.E. | E by S. | 4 | 30-04 | 74 | 70 | 69 | " | " 2 |
| 8 | " | " | 3 | 30-04 | 76 | 71 | 70 | " | " 2 |
| 9 | E.N.E. | East | 2 | 30-03 | 75 | 70 | 70 | " | " 4 |
| 10 | N.N.W. | N.E. | 5 | 30-03 | 75 | 72 | 69 | " | " 4 |
| 11 | " | " | 3-5 | 30-01 | 72 | 71 | 69 | b.c. | " 5 |
| Mid. | " | " | 3-5 | 30-01 | 70 | 70 | 68 | " | " 5 |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday December 18, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Moderate and stiff breezes from N.E.

C. McClintock
Ensign U.S.N.

4 to 8 A.M.
Bright and pleasant. barometer rising - moderate to gentle breze from N.E., and N.N.E. Received in Pay Department 74 lbs soft bread - 92½ lbs fresh beef - 92½ lbs vegetables.

J. T. Hawley
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Gentle to moderate breeze from N.N.E. to E. by S. At 9.30 Commanding Officer inspected the ship and crew. H. Amunson (Coxswain) reported the expiration of his term of enlistment.

[redacted]
Lieut. U.S.N.

Meridian to 4 P.M.
Mostly cloudy - Moderate breezes from East and E.S.E. Lieut. Curtis, Ensign Hulme and Asst Engr Forester returned from leave - Sent a liberty party on shore.

C. McClintock
Ensign U.S.N.

4 to 8 P.M.
Cloudy but pleasant. Moderate to gentle breze from E.S.E to E by S. G.W. Fishback U.S. Charged Affaires to Argentina paid a visit to the ship and was received with the usual honors.

[redacted]
Lieut. U.S.N.

8 P.M. to Midnight.
Cloudy. Light to stiff breezes from East and N.E.

C. McClintock
Ensign U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut, Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Colonia. Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.E. | 5 | | | 30-04 | 72 | 67 | 66 | | b.c. | cir. cum | 5 | |
| 2 | | | | E.N.E. | " | 5 | | | 30-04 | 70 | 67 | 65 | | b.c.l. | " | 5 | |
| 3 | | | | " | " | 5 | | | 30-04 | 68 | 66 | 65 | | " | " | 5 | |
| 4 | | | | E by N. | " | 5 | | | 30-04 | 68 | 65 | 64 | | " | " | 5 | |
| 5 | | | | N.E. by E. | " | 4 | | | 30-04 | 69 | 65 | 64 | | b.c | cum. | 8 | |
| 6 | | | | N.E. by N. | " | 4 | | | 30-04 | 67 | 65 | 64 | | " | " | 8 | |
| 7 | | | | N.N.E. | " | 4 | | | 30-04 | 69 | 66 | 65 | | " | | 8 | |
| 8 | | | | N by W | " | 4 | | | 30-04 | 72 | 69 | 68 | | " | cir cum. Cr | 7 | |
| 9 | | | | N.W. by N. | N.N.E. | 3 | | | 30-04 | 72 | 73 | 70 | | " | cir. cum. | 2 | |
| 10 | | | | " | " | 2 | | | 30-04 | 73 | 74 | 71 | | " | " | 2 | |
| 11 | | | | " | " | 2 | | | 30-07 | 74 | 76 | 72 | | " | " | 2 | |
| Noon. | | | | " | S.E. | 2 | | | 30-03 | 73 | 75 | 73 | | " | " | 5 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 284 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1974 "

Coal consumed during the preceding 24 hours, tons 1000 lbs.

Coal remaining on hand at Noon, 96 " 1790 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | N.W. | East. | 2 | 30-02 | 73 | 75 | 73 | b.c. | cir. cum. | 7 | |
| 2 | " | E.S.E. | 2 | 30-02 | 73 | 75 | 73 | " | " | 8 | |
| 3 | S.E. | " | 1 | 30-00 | 74 | 76 | 74 | " | " | 8 | |
| 4 | " | " | 3 | 29-97 | 75 | 75 | 73 | " | " | 8 | |
| 5 | S.E. by E. | " | 3 | 29-95 | 76 | 74 | 72 | " | " | 8 | |
| 6 | " | E by S. | 3 | 29-93 | 76 | 74 | 72 | " | " | 8 | |
| 7 | " | " | 3 | 29-93 | 76 | 73 | 71 | " | " | 7 | |
| 8 | " | " | 3 | 29-93 | 76 | 72 | 71 | b.c. | " | 8 | |
| 9 | S.E. | " | 1 | 29-94 | 81 | 74 | 72 | " | Cum. Str. | 6 | |
| 10 | N.W. | E.N.E. | 1 | 29-94 | 80 | 75 | 73 | " | " | 9 | |
| 11 | " | West. | 1 | 29-95 | 75 | 74 | 72 | b | none | 10 | |
| Mid. | N.W. by N. | N.N.W. | 2 | 29-95 | 75 | 74 | 72 | " | " | 10 | |

under the command of W. K. Mead, Commander, U. S. Navy,

Monday December 19, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy. Strong breeze from N.E.

W.O. Barlow
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant. Moderate breeze from N.E. Received 92½ lbs fresh meat, 92½ lbs vegetables and 74 lbs bread in Pay Department for issue to crew.

W.O. Barlow
Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy. Light to gentle breezes from N.N.E., shifting to S.E. last hour. At 9.30 mustered at quarters and exercised companies as follows - 2nd Company - artillery, 3d Company - infantry. Crew engaged in scraping and oiling bright wood work. The U.S. Consul called on board.

C. Clewstone
Ensign U.S.N.

Meridian to 4 P.M.
Clear. Light airs to gentle breeze from the East to E.S.E. Exercised Apprentices at signals and instructed recruits in care of small arms. Made preparations for transporting sheet anchor and for gun mooring.

W.O. Barlow
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant - Gentle breezes from E.S.E. and E. by S. Transported sheet anchor, moored ship and hove up starboard anchor. Hoisted smoke pipe. Sent down topgallant yards and bent light sails.

C.M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Clear. Light airs from E. by S. to N.N.W. Rigged in lower booms. Secured pivot guns and port battery.

W.O. Barlow
Ensign U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut, Navigator.

1111

# LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Colonia, Uruguay

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | N. by E. | 3-5 | | | 29-95 | 75 | 74 | 73 | | bay. | cir. str. | 8. | |
| 2 | | | | " | " | 3-4 | | | 29-95 | 75 | 74 | 73 | | bay. | none | 10 | |
| 3 | | | | North. | North. | 3-4 | | | 29-95 | 75 | 73 | 73 | | " | " | 10 | |
| 4 | | | | " | " | 3-4 | | | 29-94 | 74 | 73 | 72 | | " | " | 10 | |
| 5 | | | | N.E. by E. | " | 3 | | | 29-94 | 74 | 73 | 72 | | bc. | cir. cumt. | 7 | |
| 6 | | | | N.N.E. | " | 2 | | | 29-95 | 74 | 72 | 70 | | bcm. | " | 8 | |
| 7 | | | | South. | " | 2 | | | 30-00 | 75 | 74 | 73 | | " | cir. cum. str. | 6 | |
| 8 | | | 2-9<br>6-6 | S. by W.<br>E 3/4 S | W.N.W. | 2 | | | 30-01 | 76 | 74 | 74 | | " | " | 6 | |
| 9 | 8 | 5 | 19-25 | | N.N.E. | 3 | | | 31-03 | 76 | 76 | 75 | | k. | cir. str. | 4 | |
| 10 | 4<br>5 | 25<br>25 | 22-5<br>27-5 | E. by S. | N.N.W. | 3 | | | 30-04 | 77 | 76 | 76 | | " | " | 4 | |
| 11 | 9 | 75 | 37-5 | S.E. by E 1/2 E | W.S.W. | 3 | | | 30-02 | 75 | 77 | 77 | | " | " | 4 | |
| Noon. | 1/8 | 3<br>2 | 38-8<br>47-0 | S.E. 1/2 S. | | 3 | | | 30-01 | 76 | 77 | 77 | | " | " | 3 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 337 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1637 "

Coal consumed during the preceding 24 hours, 4 tons 1130 lbs.

Coal remaining on hand at Noon, 92 " 660 "

| P. M. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10<br>2 | 4<br>5 | 56.1<br>58.0 | S.E. 1/2 S. | W.S.W. | 3 | 30-00 | 77 | 78 | 77 | b.cm. | cir. str. | 3 |
| 2 | 7<br>2 | 5<br>4 | 66.0<br>68.0 | E. by N. | N.W. | 3 | 29-97 | 78 | 77 | 76 | " | cir. cum. str. | 4 |
| 3 | 7<br>6 | 2<br>2 | 75.3<br>82.0 | N.E. by E 1/4 E | W.N.W. | 3 | 29-94 | 78 | 78 | 77 | " | " | 4 |
| 4 | 2 | 0 | 84.0<br>86.1 | N.E. by E 1/2 E.<br>E. 1/4 N.E. | West. | 2 | 29-93 | 79 | 79 | 78 | " | " | 4 |
| 5 | 9 | 8 | 93.0 | | S.E. | 1 | 29-91 | 79 | 80 | 78 | " | " | 5 |
| 6 | 7 | 6 | 94.3<br>100.1 | E.N.E 1/2 E.<br>E. N.E. 1/4 E. | East. | 1 | 29-92 | 79 | 79 | 75 | " | " | 2 |
| 7 | | | | | | 2 | 29-92 | 79 | 77 | 75 | " | " | 4 |
| 8 | | | | N.E. | N.E. | 1 | 29-92 | 81 | 78 | 75 | " | " | 2 |
| 9 | | | | E. by N. | " | 3 | 29-93 | 82 | 79 | 75 | " | " | 5 |
| 10 | | | | " | " | 3 | 29-95 | 83 | 79 | 77 | " | " | 3 |
| 11 | | | | " | " | 3 | 29-94 | 78 | 78 | 76 | c. | cum. nim. | 0 |
| Mid. | | | | N.E. by N. | N.N.E. | 4 | 29-94 | 79 | 79 | 76 | " | " | 0 |

under the command of W. K. Mead, Commander, U. S. Navy,
Tuesday, December 20, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Gentle breeze from N.byE, to North, with moderate to stiff squalls. At 1. started fires under the two after boilers.

Geo. F. Holman
Lieut. U.S.N.

4 to 8 A.M.
Partly cloudy. Light and gentle breezes from North and N.NW. Hove in to 15 fathoms on port chain at 5.30; secured boats and battery for sea. Crossed light yards at 5.45. Called all hands and hove up port anchor at 5.51. Got under way at 6.20 and stood out of harbor under direction of Commanding Officer. Set course at 6.57 - South. Made sail to royals. Took departure at 6.57 - Farallon Light NW by W 7/8 W. Colonia Light NE. 3/4 N. At 7.18 changed course to S.byW. pkg. 2.9. Took in flying jib and set spanker, changed course at 7.54, patent log 8.9, to E 3/4 S. Steaming with 3 boilers. Average steam 74. Average revolutions 53. Draught of ship - aft 16'-2", amidships 15'-1", forward 13'-7".

C. M. Stone
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy. Gentle breeze from N.N.E to N.W. Under steam and all sail except flying jib. At 9.22 changed course to E by S. Patent Log 22.5; At 10.02 to SE by E 1/2 E Patent Log 27.7 and at 11.09 to SE 1/2 S. Patent Log 38.8. At 9.30 mustered at quarters and exercised divisions at oral instructions. At 11.10 took in spanker and hoisted yards on the other tack. Steam in three boilers Average pressure 70.5 lbs. Average revolutions 53.3. Patent Log at end of watch 47.

W. O. Bylow
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy and hazy. Warm. Gentle to light breeze from W.S.W. to West. Changed course at 1.12 to E by N, pat log 58; at 2.14 to N.E. by E 1/4 E, pat log 68 and at 3.47 to N.E. by E 1/2 E, pat log 82. Sighted the Cerro nearly dead ahead at 3.10. At 3.44 shortened and furled sail. At steam 70, revolutions 53.

Geo. F. Holman
Lieut. U.S.N.

4 to 8 P.M.
Cloudy. Light airs to gentle breeze variable in direction and calms. Standing into Montevideo. Changed courses as follows, at 4.30 to E.N.E., Pat log 88.1, - at 5.13 to E.N.E. 1/2 E. Pat log 94.9, - at 5.37 to E.N.E. 3/4 E, Pat log 97.2, at 5.55 to E 3/4 N. Pat log 99.8, - at 6.21 to E.N.E. 1/4 E. At 6.33 came to with starboard anchor immediately got under way again came to at 7.14 with starboard anchor in 17 ft water moored to 4 5 fathoms. Draft forward 13'5", Amidships 14'8", Aft 16'. Received boarding call from HM Basilisk. At 6.55 sent down topgallant and royal yards. Transported sheet anchor. Stanled fires. Bearings of anchorage, El Cerro (mag) N.W. by W 1/2 W, Clock Tower of Cathedral E.N.E. 3/4 E.

W. O. Bylow
Ensign U.S.N.

8 P.M. to Midnight.
Cloudy; overcast latter part. Gentle to moderate breeze from NE to N.NE.

Geo. F. Holman
Lieut. U.S.N.

L. K. Curtis
Lieut. U.S.N. Navigator

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.N.E. | 3 | | | 29-94 | 79 | 78 | 75 | | bc. | Cir. Cum. St. | 7 | |
| 2 | | | | North. | North. | 3 | | | 29-94 | 78 | 77 | 75 | | " | " | 9 | |
| 3 | | | | N. by W. | N. by W. | 3 | | | 29-93 | 77 | 76 | 74 | | " | " | 6 | |
| 4 | | | | " | " | 3 | | | 29-93 | 77 | 75 | 73 | | " | " | 1 | |
| 5 | | | | " | " | 2 | | | 29-94 | 74 | 75 | 73 | | bcm. | " | 1 | |
| 6 | | | | N.W. by N. | " | 2 | | | 29-94 | 75 | 75 | 74 | | " | " | 2 | |
| 7 | | | | " | " | 2 | | | 29-94 | 75 | 75 | 74 | | " | " | 1 | |
| 8 | | | | " | N.N.W. | 2 | | | 29-94 | 77 | 76 | 73 | | " | " | 1 | |
| 9 | | | | West | West | 1 | | | 29-93 | 77 | 76 | 76 | | o.c. | Cir. Str. | 0 | |
| 10 | | | | S.W. | " | 1 | | | 29-93 | 76 | 75 | 75 | | " | " | 0 | |
| 11 | | | | " | " | 1 | | | 29-93 | 77 | 76 | 76 | | " | " | 0 | |
| Noon. | | | | " | " | 1 | | | 29-93 | 78 | 77 | 76 | | bc. | Cir Cum St | 2 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 321 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1316 "

Coal consumed during the preceding 24 hours, 2 tons 1700 lbs.

Coal remaining on hand at Noon, 89 " 1200 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SW by W. | SW. | 2 | 29.94 | 77 | 78 | 77 | bc. | Cum Nim | 1 |
| 2 | W by S | S.SW. | 3 | 29.93 | 77 | 77 | 77 | o.c.f. | Cu " | 0 |
| 3 | " | S.S.E. | 3 | 29.92 | 77 | 76 | 76 | o.c.t.p. | " | 0 |
| 4 | WSW. | S.S.W. | 3 | 29.90 | 77 | 76 | 76 | " | " | 0 |
| 5 | S.W. | S.E. | 3 | 29.88 | 77 | 75 | 73 | b.t.p. | Cir Cum Nim | 1 |
| 6 | South. | East. | 3 | 29.88 | 76 | 74 | 72 | b.c. | Cir. Cum. St. | 1 |
| 7 | E by S. | " | 3 | 29.88 | 77 | 72 | 69 | " | " | 1 |
| 8 | E.S.E. | " | 2 | 29.88 | 80 | 73 | 70 | o.c.p.r. | nim | 0 |
| 9 | S.E. | " | 1 | 29.87 | 79 | 73 | 70 | o.c.d. | " | 0 |
| 10 | " | " | 2 | 29.87 | 79 | 74 | 71 | oc. | " | 0 |
| 11 | " | Calm | 0 | 29.88 | 78 | 74 | 71 | " | Cum Nim | 0 |
| Mid. | " | S.SW. | 1 | 29.88 | 75 | 74 | 71 | " | " | 0 |

under the command of W. W. Mead, Commander, U. S. Navy,

Wednesday, December 21, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences (am) until 4 AM
Fair then cloudy. Gentle breeze from N.N.E. to N.by W.

4 to 8 A. M.
Cloudy and misty. Light breeze from N.by W. to N.N.W.

8 A.M. to Meridian.
Generally overcast. Light airs from West. At 9.30 mustered at quarters. Had battalion drill. Received visit by boarding officer from the Colon. Sent an officer to visit the Sirius and the Colon. The Commanding Officer visited the Sirius and Colon.

Meridian to 4 P.M.
Cloudy then overcast with passing showers from S.W. hauling to S.E.

4 o'clock to 8 P.M.
Cloudy first part. Overcast latter part. Gentle to light breeze from S.S.W. hauling to East. At 6.15 mustered at quarters.

8 P.M. to Midnight.
Overcast, light breeze to light airs from East and calms

W. W. Mead
Commander U.S.N.

W. O. Burlew
Ensign U.S.N.

H. Jaap Lieut. H. Holtzman
Lieut. U.S.N.

W. R. Mason Field
Ensign U.S.N.

Jaap Lieut. H. Holtzman
Lieut. U.S.N.

W. R. Mason Field
Ensign U.S.N.

Examined and found to be correct.

H. K. Lemly
Lieut. - Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

Montevideo. Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South. | South. | 3 | | | 29-89 | 74 | 73 | 71 | | o.c. | Cum Nim | 0 | |
| 2 | | | | S.E. by E. | S.S.E. | 3 | | | 29-88 | 74 | 71 | 70 | | " | " | 3 | |
| 3 | | | | S.E. | " | 3 | | | 29-87 | 74 | 71 | 69 | | b.c.d. | " | 3 | |
| 4 | | | | | " | 3 | | | 29-88 | 74 | 71 | 69 | | b.c. | " | 5 | |
| 5 | | | | S.E. by S. | " | 2 | | | 29-88 | 73 | 70 | 69 | | b.c.m. | " | 7 | |
| 6 | | | | " | S.E. | 2 | | | 29-89 | 72 | 70 | 68 | | " | " | 7 | |
| 7 | | | | N.E. by N. | " | 2 | | | 29-89 | 71 | 70 | 68 | | " | Cir. Cum. Str. | 5 | |
| 8 | | | | N.E. | " | 2 | | | 29-90 | 71 | 69 | 67 | | " | " | 7 | |
| 9 | | | | South. | South | / | | | 29-92 | 72 | 70 | 68 | | " | " | 5 | |
| 10 | | | | S.S.E. | " | 2 | | | 29-92 | 73 | 71 | 69 | | " | " | 6 | |
| 11 | | | | S.E. by S. | " | 3 | | | 29-93 | 72 | 72 | 70 | | " | " | 4 | |
| Noon. | | | | " | " | 2 | | | 29-94 | 74 | 72 | 70 | | " | " | 3 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 411 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 905 "

Coal consumed during the preceding 24 hours, tons 1335 lbs.

Coal remaining on hand at Noon, 88 " 2105 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | S.E. | South. | 3 | | | 29-92 | 75 | 72 | 70 | b.c. | Cum. | 4 |
| 2 | | | | South. | S.S.E. | 2 | | | 29-92 | 75 | 72 | 70 | " | " | 5 |
| 3 | | | | S.S.W. | " | 3 | | | 29-92 | 74 | 73 | 71 | " | " | 5 |
| 4 | | | | South. | S.E. | 3 | | | 29-91 | 73 | 72 | 70 | " | Cir. Cum. | 5 |
| 5 | | | | W.S.W. | " | 3 | | | 29-89 | 72 | 73 | 71 | " | - | 5 |
| 6 | | | | S.E. by E. | E. by S. | 3 | | | 29-89 | 73 | 73 | 71 | " | " | 6 |
| 7 | | | | S.E. | E.S.E. | 3 | | | 29-92 | 73 | 72 | 70 | " | " | 4 |
| 8 | | | | " | East. | 3 | | | 29-90 | 73 | 72 | 69 | " | " | 6 |
| 9 | | | | N.N.W. | North | 2 | | | 29-91 | 72 | 73 | 70 | " | " | 9 |
| 10 | | | | S.W. by W. | N.N.W. | 2 | | | 29-91 | 72 | 73 | 70 | f | none | 10 |
| 11 | | | | South. | " | 2 | | | 29-90 | 72 | 72 | 70 | " | " | 10 |
| Mid. | | | | S.E. | E.S.E. | 2 | | | 29-90 | 71 | 71 | 69 | " | " | 10 |

under the command of W. W. Mead, Commander, U. S. Navy,
Thursday, December 22, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.
Overcast or cloudy. raining first part barometer falling slowly - gentle breeze from South and S.S.E.

J.T. Newton
Lieut. U.S.N.

4 o'clock to 8 P.M.
Hazy. Clearing. Light breeze from S.S.E. to S.E.

Geo. F. W. Holman
Lieut. U.S.N.

8 P.M. to Meridian.
Fair and pleasant, light airs to gentle breeze from South. Mustered at quarters and exercised at general quarters, times as follows, viz; 1st Division ready, 1m 10s; = 2d Division, 2m 20s; = 3rd Division, 1m 20s; = Navigators 1m, 05s; = Powder Division 3m 30s; = Engineers - 30s; = Marine Guard - 35s; = Paymasters, 1m 35s; = Surgeons - 20s; = The Commanding Officer adjudged the following punishment - viz; = Lange M.C. (C.S.) = Not coming aft when sweepers were piped - 3 hours extra watch. Started fires for distilling.

W. N. Brownfield
Ensign U.S.N.

Meridian to 4 P.M.
Generally clear. Pleasant - Barometer steady. Gentle to light breeze from South and S.S.E. Commanding Officers of H.B.M.S. Sirius and of the Spanish cruiser Colon visited the ship - Peter Hand (W.T.) was released his term of confinement having expired. Commenced distilling. Reserves were drilled as infantry Apprentices were practiced with signals

J.T. Newton
Lieut. U.S.N.

4 to 8 P.M.
Fair and pleasant, gentle breeze from S.E. to E.S.E. Made preparations for coaling.

W. N. Brownfield
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant - barometer steady - light breeze from North N.N.W. and E.S.E. Distilling.

J.T. Newton
Lieut. U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. - Navigator.

LOG of the UNITED STATES — Steamer "Essex", 2d Rate,
Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.E. | Calm. | 0 | | | 29-91 | 72 | 71 | 69 | | b. | nme | 10 | |
| 2 | | | | E.S.E. | East. | 1 | | | 29-91 | 72 | 71 | 69 | | bc. | cum. str. | 9 | |
| 3 | | | | S.W. | " | 1 | | | 29-91 | 71 | 71 | 69 | | " | " | 9 | |
| 4 | | | | South. | E.S.E. | 3 | | | 29-92 | 70 | 70 | 69 | | b.m.w. | " | 4 | |
| 5 | | | | N.W. | " | 1 | | | 29-93 | 70 | 70 | 68 | | bcm. | " | 1 | |
| 6 | | | | West. | N.NE. | 1 | | | 29-95 | 68 | 67 | 69 | | bcf. | cum. nim. | 1 | |
| 7 | | | | W.S.W. | " | 1 | | | 29-96 | 68 | 69 | 67 | | " | " | 1 | |
| 8 | | | | S.W.by W. | Calm | 0 | | | 29-97 | 68 | 70 | 68 | | o.c.f | " | 0 | |
| 9 | | | | S.S.W. | N.NE. | 2 | | | 29-97 | 70 | 71 | 69 | | bcm. | cir. cum. | 7 | |
| 10 | | | | South. | N.S.W | 2 | | | 29-97 | 72 | 73 | 71 | | " | " | 8 | |
| 11 | | | | S.S.E. | S.W. | 3 | | | 29-98 | 73 | 73 | 71 | | " | " | 6 | |
| Noon. | | | | " | " | 3 | | | 29-98 | 74 | 73 | 72 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 366 gallons.

Water distilled during the preceding 24 hours, 1829 "

Water remaining on hand fit for use at Noon, 2368 "

Coal consumed during the preceding 24 hours, 1 tons 880 lbs.

Coal remaining on hand at Noon, 154 " 1400 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | S.E.by S. | S.S.W. | 2 | 29-98 | 71 | 73 | 71 | b.c | cir. cum. | 8 | | |
| 2 | East. | S.S.E. | 2 | 29-98 | 74 | 73 | 71 | " | " | 8 | | |
| 3 | E.by N. | S.E. | 2 | 29-91 | 74 | 73 | 71 | " | " | 8 | | |
| 4 | N.W. | S.S.E. | 2 | 29-97 | 73 | 73 | 70 | " | " | 7 | | |
| 5 | West. | E.S.E. | 2 | 29-97 | 73 | 73 | 70 | b | none | 10 | | |
| 6 | " | " | 2 | 29-97 | 73 | 73 | 70 | " | " | 10 | | |
| 7 | N.W. | " | 3 | 29-97 | 73 | 72 | 69 | " | " | 10 | | |
| 8 | N.E. | E by N. | 3 | 29-97 | 73 | 70 | 68 | " | " | 10 | | |
| 9 | E.N.E. | E.N.E. | 3 | 29-97 | 73 | 71 | 69 | b.w. | " | 10 | | |
| 10 | " | " | 3 | 29-98 | 73 | 70 | 68 | " | " | 10 | | |
| 11 | " | N.E. | 3 | 29-98 | 72 | 70 | 68 | " | " | 10 | | |
| Mid. | " | " | 3 | 29-98 | 71 | 70 | 68 | " | " | 10 | | |

under the command of W. W. Mead, Commander, U. S. Navy,
Friday, December 23, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant first three hours, cloudy and wet last hour. Heavy fog bank setting in. Calm and light airs to gentle breeze from East and E.S.E. Distilling

J. Harris
Lieut. U.S.N.

4 to 8 A.M.
Cloudy. Variable light airs.
Coal lighter came alongside at daylight and we began to coal immediately. At 8.00 received 53 Tons of coal. Received in Pay Department 74 lbs. soft bread 92½ lbs. fresh beef and 92½ lbs. vegetables. Draft of ship, forward 13.6 - Amidships 14.9, Aft 16 ft before coaling.

W. Ry Mason Jr.
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant - barometer steady - light to gentle breze from N.N.E, - W.S.W. - S.W. - Finished coaling at 10.00, having received 67 175/2240 tons Commanding Officer H.B.M. gunboat Basilisk visited the ship. Draft of ship after coaling 16'-7"; = amidships 15'-2"; = forward 13'.9". By order of the Commanding Officer, enlisted John Hughes, as landesman, for three years.

J. Newton
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light breeze from S.S.W., to S.E.

J. Harris
Lieut. U.S.N.

4 to 8 P.M.
Clear and pleasant. - barometer steady - light to gentle breze from E.S.E. At 6.15 mustered at quarters no absentees without leave.

J. Newton
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Heavy dew. Gentle breze from E by N. to N.E. Moon set at 10.42 Stopped distilling.

J. Harris
Lieut. U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex 3rd Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | North | N.N.E. | 3 | | | 29-99 | 70 | 70 | 68 | | bro. | none | 10 | |
| 2 | | | | " | " | 3 | | | 29-99 | 70 | 70 | 68 | | " | " | 10 | |
| 3 | | | | N. by E. | N. by E. | 3 | | | 29-99 | 70 | 70 | 68 | | " | " | 10 | |
| 4 | | | | " | " | 2 | | | 29-99 | 70 | 70 | 68 | | bc | cir. cumu. | 9 | |
| 5 | | | | N.N.W. | N.N.E. | 2 | | | 29-99 | 71 | 69 | 68 | | " | " | 9 | |
| 6 | | | | N.W. by W. | North | 2 | | | 29-99 | 71 | 69 | 67 | | bm. | none | 10 | |
| 7 | | | | " | " | 3 | | | 30-00 | 73 | 70 | 68 | | " | " | 10 | |
| 8 | | | | N.N.W. | " | 3 | | | 30-00 | 73 | 70 | 69 | | " | " | 10 | |
| 9 | | | | " | " | 3 | | | 30-03 | 77 | 77 | 71 | | " | " | 10 | |
| 10 | | | | N.E. | " | 3 | | | 30-02 | 77 | 80 | 73 | | " | " | 10 | |
| 11 | | | | South | N.W. | 1 | | | 30-02 | 79 | 80 | 73 | | " | " | 10 | |
| Noon. | | | | " | " | 1 | | | 30-01 | 81 | 81 | 74 | | " | | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 439 gallons.

Water distilled during the preceding 24 hours, 1047 "

Water remaining on hand fit for use at Noon, 2976 "

Coal consumed during the preceding 24 hours, tons 1590 lbs.

Coal remaining on hand at Noon, 153 " 2050 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | S.E. | S.E. by S. | 3 | 30-01 | 81 | 82 | 77 | | b.c. | cir. cumu. | 6 | |
| 2 | | | E.S.E. | E.S.E. | 3 | 29-99 | 81 | 81 | 77 | | " | " | 8 | |
| 3 | | | E. by S. | E. by S. | 3 | 29-96 | 81 | 83 | 76 | | " | " | 8 | |
| 4 | | | East. | East. | 4 | 29-94 | 81 | 82 | 75 | | " | " | 7 | |
| 5 | | | " | " | 4 | 29-93 | 80 | 81 | 75 | | " | " | 7 | |
| 6 | | | " | " | 5 | 29-93 | 80 | 80 | 74 | | " | " | 7 | |
| 7 | | | " | " | 5 | 29-92 | 80 | 78 | 72 | | " | " | 6 | |
| 8 | | | " | " | 5 | 29-89 | 79 | 78 | 72 | | " | " | 6 | |
| 9 | | | N.E. | E.N.E. | 3 | 29-90 | 80 | 79 | 73 | | " | cir. cumu. | 7 | |
| 10 | | | " | " | 4 | 29-91 | 79 | 78 | 72 | | " | " | 9 | |
| 11 | | | " | N.E. | 4 | 29-91 | 78 | 77 | 70 | | " | " | 9 | |
| Mid. | | | " | " | 5 | 29-91 | 77 | 74 | 67 | | " | " | 9 | |

under the command of W. K. Mead, Commander, U. S. Navy,
Saturday, December 24, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Heavy dew. Light and gentle breeze from N.N.E., and N. by E.
W. Lange (C.S.) stood extra watch by order of Commanding Officer.

C. W. Stone
Ensign U.S.N.

4 A.M. to 8 A.M.
Bright and pleasant. barometer steady - light to gentle breeze from N.N.E. and North. Crossed t'gallant yards.

J. T. Rowlen
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and warm. Gentle to light breeze from North to N.W. Aired bedding.

F. A. Wilner
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Gentle and moderate breezes from East to E. by S. Sent liberty party on shore.
By order of Commanding Officer changed rate of Vincent Virgil, from Landsman to Ordinary Seaman, from Decmber 23. 1892.

C. W. Stone
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Moderate to stiff breeze from East.
At 6 15 mustered at quarters.
P.M.S. Colon left the harbor.

F. A. Wilner
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Light to stiff breezes from E.N.E. and N.E.

C. W. Stone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E.by N. | N.E.by N. | 5 | | | 29-90 | 76 | 72 | 66 | | bc. | cir. cum | 7 | |
| 2 | | | | N.N.E. | N.N.E. | 4 | | | 29-90 | 75 | 71 | 65 | | " | " | 7 | |
| 3 | | | | North. | North. | 5 | | | 29-90 | 74 | 70 | 64 | | " | " | 7 | |
| 4 | | | | " | " | 3 | | | 29-90 | 73 | 69 | 64 | | " | " | 6 | |
| 5 | | | | " | N.N.E. | 4 | | | 29-91 | 70 | 68 | 63 | | b.q. | cir. Cum. etc. | 5 | |
| 6 | | | | " | North. | 4 | | | 29-92 | 68 | 67 | 63 | | bc | " | 7 | |
| 7 | | | | " | " | 4 | | | 29-92 | 71 | 69 | 64 | | " | " | 4 | |
| 8 | | | | " | " | 4 | | | 29-92 | 75 | 71 | 65 | | " | " | 2 | |
| 9 | | | | " | " | 2 | | | 29-90 | 75 | 74 | 73 | | " | " | 3 | |
| 10 | | | | " | " | 2 | | | 29-89 | 76 | 77 | 76 | | " | " | 3 | |
| 11 | | | | N.E. | " | 1 | | | 29-88 | 77 | 78 | 76 | | " | " | 4 | |
| Noon. | | | | " | " | 1 | | | 29-86 | 80 | 79 | 76 | | " | " | 4 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 364 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 26 12 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 153 " 1650 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | S.E. | S.S. | 2 | 29-83 | 82 | 82 | 74 | bc | cir. cum | 4 | |
| 2 | | " | South. | 1 | 29-81 | 80 | 80 | 76 | " | " | 4 | |
| 3 | | " | S.E. | 1 | 29-80 | 79 | 78 | 74 | " | " | 2 | |
| 4 | | S.S.E. | S.S.W. | 1 | 29-80 | 77 | 77 | 74 | o.c. | " | 0 | |
| 5 | | S.by E. | South. | 2 | 29-79 | 76 | 76 | 73 | | cum. nim | 0 | |
| 6 | | S.W.by W. | S.W. | 3 | 29-79 | 76 | 76 | 73 | | " | 0 | |
| 7 | | W.by S. | S.S.W. | 3 | 29-79 | 74 | 73 | 70 | bc | " | 3 | |
| 8 | | " | South. | 2 | 29-78 | 74 | 73 | 71 | " | cir. cum. | 4 | |
| 9 | | West. | " | 2 | 29-79 | 74 | 72 | 70 | b.c.l. | " | 7 | |
| 10 | | W.by N. | " | 1 | 29-79 | 74 | 73 | 71 | " | " | 8 | |
| 11 | | " | " | 1 | 29-79 | 74 | 73 | 71 | " | " | 8 | |
| Mid. | | " | " | 3 | 29-79 | 74 | 73 | 71 | " | " | 8 | |

under the command of W. H. Mead, Commander, U. S. Navy,
Sunday, December 25, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 A.M.
Fair. Gentle to stiff breeze from N.E. by N to the North.

W.O. Bulme
Ensign U.S.N.

4 to 8 A.M.
Partly cloudy, pleasant weather. Moderate breeze from N.N.E. and North. Received 93 3/4 lbs fresh meat, 93 3/4 lbs. vegetables, and 75 lbs soft bread in Pay Department, for issue to crew.

W. T. Wiener
Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy Light airs and breezes from North, At 9.30 Commanding Officer inspected ship and crew at quarters. Wm Forest Quarter Gunner was absent without leave. He returned four hours over time.

C.M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy to overcast. Light breeze to light airs from S.W. to S.E. Sent liberty party ashore. About 3.30 an officer from H.M.S. Sirius came onboard to complain that a man from this ship had been caught smuggling liquor onboard the Sirius and an officer was sent to bring the man, Michael Driscoll, 2d class Fireman, on board from a shore-boat as he was going ashore. He was identified by the English officer.

W.O. Bulme
Ensign U.S.N.

4 to 8 P.M.
Cloudy. Light and gentle breezes from South to S.W.

C.M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Clear. Light airs to gentle breeze from the South.

W.O. Bulme
Ensign U.S.N.

Examined and found to be correct.

L. K. Reynolds
Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d. Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | E.S.E. | E.N.E. | 2 | | | 29-77 | 73 | 72 | 70 | | b.c.l.w. | cir. cum | 9 | |
| 2 | | | | " | " | 2 | | | 29-75 | 72 | 72 | 70 | | " | " | 9 | |
| 3 | | | | East | N.E. | 2 | | | 29-75 | 71 | 71 | 69 | | b.w. | none | 10 | |
| 4 | | | | South. | North. | 2 | | | 29-75 | 70 | 70 | 68 | | b.c.w. | cum. str. | 9 | |
| 5 | | | | " | " | 2 | | | 29-76 | 70 | 70 | 68 | | b.c.w. | " | 5 | |
| 6 | | | | N. by W. | " | 2 | | | 29-76 | 72 | 70 | 68 | | " | cir. cum. str. | 7 | |
| 7 | | | | N.N.W. | " | 2 | | | 29-78 | 74 | 71 | 69 | | " | " | 8 | |
| 8 | | | | W.N.W. | W by S. | 2 | | | 29-79 | 74 | 73 | 71 | | " | " | 6 | |
| 9 | | | | West. | West. | 2 | | | 29-79 | 77 | 75 | 72 | | fc. | cir. str. | 3 | |
| 10 | | | | " | " | 3 | | | 29-79 | 76 | 75 | 73 | | " | " | 3 | |
| 11 | | | | W.S.W. | " | 4 | | | 29-79 | 76 | 76 | 74 | | b.c.w. | " | 3 | |
| Noon. | | | | S.W. | " | 3 | | | 29-79 | 76 | 76 | 72 | | " | " | 2 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 441 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2171 "

Coal consumed during the preceding 24 hours, tons 480 lbs.

Coal remaining on hand at Noon, 153 " 1250 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | S.W. by S. | West. | 3 | | | 29-78 | 76 | 76 | 72 | b.c. | cir. cum. str. | 2 |
| 2 | | | S.W. by W. | " | 2 | | | 29-78 | 78 | 78 | 73 | " | " | 1 |
| 3 | | | S.S.W. | W.S.W. | 2 | | | 29-78 | 78 | 77 | 73 | " | " | 1 |
| 4 | | | W.S.W. | " | 3 | | | 29-78 | 78 | 76 | 73 | " | " | 1 |
| 5 | | | West. | " | 3 | | | 29-80 | 77 | 75 | 72 | " | " | 1 |
| 6 | | | W.S.W. | " | 2 | | | 29-83 | 77 | 74 | 72 | " | " | 1 |
| 7 | | | South. | S.S.E. | 6 | | | 29-88 | 76 | 71 | 68 | b.c.g. | " | 4 |
| 8 | | | S.E. | " | 4 | | | 29-90 | 75 | 70 | 67 | " | " | 1 |
| 9 | | | S.E. by S. | S.E. by S. | 4 | | | 29-91 | 75 | 70 | 67 | b.c. | cir. nim. | 0 |
| 10 | | | " | " | 3 | | | 29-94 | 75 | 70 | 67 | " | " | 0 |
| 11 | | | " | " | 2 | | | 29-96 | 75 | 70 | 67 | b.c. | cum. nim. | 8 |
| Mid. | | | S.S.E. | S.S.E. | 3 | | | 29-97 | 75 | 70 | 67 | " | " | 8 |

under the command of W. W. Mead Commander, U. S. Navy,

Monday December 26 , 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.
Clear and pleasant. Heavy dew. Distant lightning in the South and S.E. first part. Light breeze from E.N.E., to N.E.

Geo. L. W. Holman
Lieut. U.S.N.

4 to 8 P.M.
Fair. Light breezes from North and W. by S. Executed morning orders. Received in Pay Department 92½ lbs. fresh beef and vegetables, 74 lbs. fresh bread.

C. M. Stone
Ensign U.S.N.

8 P.M. to Meridian.
Cloudy and misty. Light to moderate breeze from the West. At 9.30 mustered at quarters. Absent without leave Wm Behn (Private M.C.).

W. O. Hulme
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy. Gentle to light breeze from West to W.S.W. Sent a liberty party on shore J. T. Jordison, Boyman, left the ship with three days leave of absence. By order of the Commanding Officer Michael Driscoll, 2d class Fireman, was put in solitary confinement on bread and water for five days for scandalous conduct.

Geo. L. W. Holman
Lieut. U.S.N.

4 to 8 P.M.
Cloudy. Light to stiff breeze from W.S.W. to S.S.E. At 4.30 sighted U.S.S. Yantic and at 6.00 she made her number and we made ours in answer and at the same time broke Senior Officers Pennant. At 6.40 Yantic made Int. 12H. which was answered in the affirmative. At 7.20 Yantic came to on our starboard beam. At 6.15 mustered at quarters. Absent without leave Privates Wm Behn and J. B. Nolan.

W. O. Hulme
Ensign U.S.N.

8 P.M. to Midnight.
Clearing. Moderate to light breeze from S.S.E. to S.E. by S.

Geo. L. W. Holman
Lieut. U.S.N.

Examined and found to be correct.

H. K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.S.E. | S.S.E. | 4 | | | 29.99 | 74 | 70 | 66 | | b.c. | cir. cum. | 9 | |
| 2 | | | | " | " | 5 | | | 30-00 | 75 | 67 | 63 | | b. | none | 10 | |
| 3 | | | | East. | " | 4 | | | 30-00 | 75 | 67 | 63 | | " | " | 10 | |
| 4 | | | | S.E. | " | 3 | | | 30-02 | 74 | 66 | 63 | | b.c. | cir. cum. str. | 8 | |
| 5 | | | | S.S.E. | S.E. | 2 | | | 30-05 | 73 | 67 | 63 | | " | " | 7 | |
| 6 | | | | South. | " | 2 | | | 30-08 | 71 | 67 | 64 | | b.c.m. | " | 8 | |
| 7 | | | | N.W. | " | 2 | | | 30-08 | 70 | 68 | 64 | | " | cir. str. | 9 | |
| 8 | | | | W by S. | " | 2 | | | 30.09 | 70 | 68 | 64 | | b.m. | none | 10 | |
| 9 | | | | West. | South. | 1 | | | 30-10 | 69 | 68 | 65 | | " | " | 10 | |
| 10 | | | | " | " | 1 | | | 30-12 | 69 | 70 | 68 | | " | " | 10 | |
| 11 | | | | " | S.S.W. | 2 | | | 30-12 | 69 | 69 | 67 | | " | " | 10 | |
| Noon. | | | | S.W. | South. | 1 | | | 30-13 | 71 | 70 | 65 | | " | " | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 359 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1812 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 153 " 850 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | S.E. | S.S.W. | 3 | 30-13 | 72 | 71 | 67 | b.m. | none | 10 | | |
| 2 | S by W. | " | 3 | 30-12 | 72 | 71 | 66 | " | " | 10 | | |
| 3 | S. by E. | South. | 2 | 30-12 | 72 | 72 | 67 | " | " | 10 | | |
| 4 | South. | " | 2 | 30-10 | 71 | 72 | 68 | " | " | 10 | | |
| 5 | S by W. | S.S.E. | 2 | 30-08 | 75 | 72 | 68 | " | " | 10 | | |
| 6 | South. | " | 2 | 30-07 | 72 | 72 | 68 | " | " | 10 | | |
| 7 | " | " | 2 | 30-07 | 71 | 71 | 67 | " | " | 10 | | |
| 8 | E.S.E. | East. | 2 | 30-07 | 71 | 71 | 69 | " | " | 10 | | |
| 9 | S.E. | E.N.E. | 3 | 30-06 | 69 | 69 | 67 | " | " | 10 | | |
| 10 | E.N.E. | N.E. | 3 | 30-06 | 69 | 69 | 67 | " | " | 10 | | |
| 11 | North | " | 3 | 30-06 | 68 | 68 | 65 | " | " | 10 | | |
| Mid. | " | " | 3 | 30-06 | 68 | 67 | 65 | " | " | 10 | | |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, December 27, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and fine, gentle to stiff breeze from S.S.E.
W. Rayman Field.
Ensign U.S.N.

4 to 8 A.M.
Clear. Light S.S.E. breeze. At 6.00 A.M. S.M.S. Bisilisk went out to the Ed. Uniform signals as per record.
W.O. Mulvaney
Ensign U.S.N.

8 A.M. to Meridian.
Hazy. Pleasant. Light airs and breezes from South to S.S.W. At 9.30 mustered at quarters and had divisional drill. Absentees. J.B. Nolan (Private) Wm Behn (Private). P. Dwyer (Boy). C. Olsen Capt Top.
The Commanding Officer adjudged the following punishments. Forrest (Asst Quarter Gunner) 4 hours overtime 2d class (month), Carmand O.H. (Private) Neglect of duty - sitting down on his post - 4 hours extra duty; McKeown (C & C) assaulting shipmate on shore. Confinement 6 days double irons.
F.P. Haley. Sea Appr. 1st class reported his term of enlistment as having expired. O.J. Fehon (Sea Appr. 1st class) returned from leave.
By order of Commanding Officer on recommendation of Quarterly Board of Survey, threw overboard 10 lbs. tomatoes, 12 lbs turnips, 1½ lbs carrots, and 1½ lbs. pickles, condemned by the Board. The Yantic shifted anchorage. The Yantic made the following signals: at 9.00 Numeral 0; = at 10.00 Numeral 3; = at 11.05 Interrogatory 4890, and affirmative; and at 12.00 Num. 71.
Geo. Lewis Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and fine, gentle breeze from S.S.W. and light breeze from South. The Yantic made Dist. 4557. Answered Affirmative. Exercised 2nd Company at setting up. Marines at infantry. Placed Jas. McKinnon in double irons to sober up. C. Olsen (Capt. Top), returned on board 8 hours overtime.
W. Rayman Field.
Ensign U.S.N.

Hoisk to 8 P.M.
Hazy. Pleasant. Light breeze from S.S.E. to East Patrick Dwyer Boy returned on board 10½ hours overtime. At 6.15 mustered at quarters, absentees - Privates Wm Behn, J.B. Nolan, and H. Blacker. The Magpie went out. At 4.30 made signal 2904, and at 5.30 - 3350.
Geo. Lewis Holman
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and fine, gentle breeze from N.E. and E.N.E.
W. Rayman Field.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | North. | North. | 3 | | | 30-07 | 68 | 65 | 63 | | L | none | 10 | |
| 2 | | | | " | " | 3 | | | 30-07 | 68 | 65 | 62 | | " | " | 10 | |
| 3 | | | | " | N.N.W. | 3 | | | 30-07 | 68 | 65 | 63 | | " | " | 10 | |
| 4 | | | | " | " | 3 | | | 30-07 | 67 | 63 | 63 | | fc | Cir. Cum. | 8 | |
| 5 | | | | " | " | 3 | | | 30-08 | 67 | 62 | 62 | | " | " | 9 | |
| 6 | | | | " | " | 3 | | | 30-07 | 67 | 61 | 61 | | fm. | none | 10 | |
| 7 | | | | N.W by N. | " | 4 | | | 30-07 | 68 | 63 | 63 | | " | " | 10 | |
| 8 | | | | N.W. | " | 4 | | | 30-07 | 68 | 67 | 66 | | " | " | 10 | |
| 9 | | | | West. | " | 3 | | | 30-07 | 71 | 71 | 70 | | " | " | 10 | |
| 10 | | | | " | " | 3 | | | 30-08 | 70 | 73 | 68 | | " | " | 10 | |
| 11 | | | | SW by W. | West | 3 | | | 30-08 | 73 | 73 | 68 | | " | " | 10 | |
| Noon. | | | | " | " | 3 | | | 30-07 | 72 | 72 | 67 | | " | " | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 455 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 13557 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 152 " 1890 "

| P. M. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | WSW. | WSW. | 3 | 30-07 | 73 | 74 | 69 | L. none 10 |
| 2 | SW by S. | " | 3 | 30-16 | 74 | 74 | 69 | " " 10 |
| 3 | South. | " | 3 | 30-03 | 74 | 74 | 69 | " " 10 |
| 4 | " | " | 2 | 30-00 | 74 | 75 | 70 | " " 10 |
| 5 | SSE. | West. | 3 | 29-98 | 74 | 75 | 70 | bm " 10 |
| 6 | E by S. | " | 3 | 29-98 | 77 | 76 | 71 | " " 10 |
| 7 | " | W by N. | 2 | 29-97 | 77 | 76 | 72 | " " 10 |
| 8 | East. | NNW. | 2 | 29-98 | 77 | 76 | 72 | " " 10 |
| 9 | NNE. | " | 2 | 29-97 | 75 | 75 | 69 | bcm Cum. St. 8 |
| 10 | NNW. | " | 2 | 29-97 | 75 | 74 | 66 | bm none 10 |
| 11 | " | " | 2 | 29-97 | 74 | 72 | 66 | " " 10 |
| Mid. | NW by N. | " | 2 | 29-96 | 74 | 71 | 65 | " " 10 |

under the command of W. H. Mead, Commander, U. S. Navy,

Wednesday December 28, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Day until 4 A.M.
Clear and pleasant. barometer steady gentle to light breeze from North and N.W.

J. T. Newton
Lieut. U.S.N.

4 o'clock to 8 A.M.
Hazy. Pleasant. Gentle to moderate breeze from N.W. Received on board for use of crew 88 3/4 lbs, each fresh beef and vegetables and 71 lbs bread. At 7.00 made uniform signals. The Uruguayan gunboat General Artigas came in.

Geo. W. Coleman
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and pleasant. gentle breeze from N.N.W. and West. Mustered at quarters, and exercised battalion. Absent without leave Behn Wm (Private) Nolan J.B. (Private) Jacks H.B. (Private). The Yantic made routine signals and general signal 3016. Private H.B. Jacks returned aboard 2 1 hours overtime.

W. Rayman Field.
Ensign U.S.N.

Meridian to 4 P.M.
Bright and pleasant. barometer falling slowly. gentle breeze from W.S.W. Fitted tarpaulins on hatches for battening down.

J. T. Newton
Lieut. U.S.N.

4 to 8 P.M.
Clear and fine, gentle to light breeze from West and S by W. Yantic made Int. 6107. Made dress signal. At 6.15 mustered at quarters. Absent without leave Privates Wm Behn and J.B. Nolan.

W. Rayman Field.
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant. barometer steady. light breeze from N.N.W. Behn Wm (Private M.C.), and Nolan J.B. (Private) returned 6 1 and 5 5 hours overtime respectively.

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.W. | N.W. | 3 | | | 29.94 | 72 | 71 | 64 | | b. | none | 10 | |
| 2 | | | | " | " | 3 | | | 29.90 | 73 | 71 | 64 | | " | " | 10 | |
| 3 | | | | " | " | 3 | | | 29.90 | 73 | 71 | 64 | | " | " | 10 | |
| 4 | | | | " | " | 3 | | | 29.89 | 73 | 71 | 64 | | " | " | 10 | |
| 5 | | | | N.W. by N. | " | 3 | | | 29.90 | 73 | 71 | 65 | | b.c. | Cir. Cumu | 8 | |
| 6 | | | | N.W. | " | 3 | | | 29.90 | 72 | 70 | 64 | | " | " | 7 | |
| 7 | | | | W.N.W. | N.W. by W. | 4 | | | 29.90 | 74 | 75 | 67 | | " | Cumu. St. | 8 | |
| 8 | | | | " | W.N.W. | 5 | | | 29.90 | 78 | 77 | 70 | | " | " | 8 | |
| 9 | | | | W. by N. | " | 5 | | | 29.91 | 79 | 79 | 72 | | b.cm. | Cir. Cumu. | 8 | |
| 10 | | | | West. | West | 5 | | | 29.91 | 78 | 78 | 73 | | " | " | 8 | |
| 11 | | | | " | " | 5 | | | 29.90 | 79 | 80 | 74 | | " | " | 8 | |
| Noon. | | | | " | " | 5 | | | 29.88 | 79 | 81 | 74 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 447 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 910 "

Coal consumed during the preceding 24 hours, tons 720 lbs.

Coal remaining on hand at Noon, 152 " 1170 "

| P. M. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | West. | West. | 5 | 29.87 | 81 | 83 | 76 | b.cm. cir.cumu. 8 |
| 2 | " | " | 5 | 29.84 | 81 | 85 | 77 | " " 8 |
| 3 | " | " | 5 | 29.82 | 82 | 85 | 77 | " " 8 |
| 4 | S.W. by W. | " | 5 | 29.80 | 83 | 85 | 78 | " " 8 |
| 5 | S.W. | " | 4 | 29.80 | 85 | 85 | 78 | b.cm. none 0 |
| 6 | " | " | 4 | 29.80 | 85 | 85 | 78 | " " 10 |
| 7 | South. | W.S.W. | 2 | 29.79 | 82 | 82 | 78 | " " 10 |
| 8 | S. by E. | S.W. | 1 | 29.79 | 84 | 81 | 78 | " " 10 |
| 9 | E.S.E. | E.S.E. | 3 | 29.79 | 84 | 76 | 74 | b.c. cumu.St. 9 |
| 10 | East. | East. | 3 | 29.79 | 83 | 75 | 71 | " " 0 |
| 11 | E.N.E. | E.N.E. | 3 | 29.79 | 80 | 75 | 70 | " " 9 |
| Mid. | " | " | 3 | 29.78 | 79 | 75 | 70 | " " 8 |

under the command of W. W. Mead, Commander, U. S. Navy,
Thursday, December 29, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant - starlight - Moon set at 1.00 Gentle breeze from N.W.

W. Harrison
Lieut. U.S.N.

4 to 8 A.M.
Clear and fine, gentle & stiff breeze from N.W. to W.N.W.

W. Ry Mason 2nd
Ensign U.S.N.

8 A.M. to Meridian.
Bright and warm - barometer falling slowly - fresh breeze from W.N.W. and West. At 9.30 went to General Quarters twice as follows: 1st Division ready in 1m 30s; 2d Division 2m; 3d Division 1m 35s; Navigators 2m 10s; Cowdel, 2m 20s; Engineers - 30s; Marine Guard - 50s; Paymasters - 35s; Surgeons, 1m 40s August Hardet (Coxswain), reported expiration of term of enlistment - Started fires for distilling -

J. T. Hetherington
Lieut. U.S.N.

Meridian to 4 P.M.
Clear overhead - misty along horizon - Stiff breeze from West. Inspected Gun Cotton - found the wet cotton up to weight, and both wet and dry in good condition.

W. Harrison
Lieut. U.S.N.

4 to 8 P.M.
Bright and warm. Thermometer reading 85°, highest this summer - Barometer steady - Wind from West and W.S.W. - dying out at sunset. J. T. Jordison (Paymaster) absent at Evening Quarters at 6.15 - Commenced distilling.

J. T. Hunter
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Bright moon and starlight - Gentle breeze from E.S.E. to E.N.E. Distilling.

W. Harrison
Lieut U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.N.E. | 2 | | | 29-75 | 78 | 74 | 71 | | b.c. | Cum. cir. | 8 | |
| 2 | | | | N.E. by N. | " | 2 | | | 29-78 | 77 | 73 | 69 | | " | " | 8 | |
| 3 | | | | North. | " | 2 | | | 29-75 | 77 | 72 | 69 | | " | " | 9 | |
| 4 | | | | " | " | 2 | | | 29-75 | 75 | 71 | 68 | | " | " | 9 | |
| 5 | | | | E.N.E. | North. | 3 | | | 29-76 | 70 | 70 | 68 | | b.c.m. | Cir. Cum. Cir. | 8 | |
| 6 | | | | " | " | 3 | | | 29-76 | 70 | 71 | 68 | | " | " | 8 | |
| 7 | | | | N.N.E. | " | 2 | | | 29-76 | 74 | 74 | 71 | | " | Cir. Cum. | 9 | |
| 8 | | | | N.W. by N. | N.N.W. | 2 | | | 29-76 | 75 | 76 | 72 | | " | " | 9 | |
| 9 | | | | " | West. | 2 | | | 29-76 | 78 | 78 | 74 | | " | " | 9 | |
| 10 | | | | N.N.W. | " | 2 | | | 29-76 | 78 | 78 | 74 | | " | " | 9 | |
| 11 | | | | " | " | 2 | | | 29-75 | 78 | 79 | 74 | | " | " | 9 | |
| Noon. | | | | West | N. by E. | 2 | | | 29-75 | 70 | 79 | 75 | | " | " | 9 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 344 gallons.

Water distilled during the preceding 24 hours, 1700 "

Water remaining on hand fit for use at Noon, 2266 "

Coal consumed during the preceding 24 hours, 2 tons lbs.

Coal remaining on hand at Noon, 150 " 1170 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S.W. | W.S.W. | 3 | 29-71 | 80 | 81 | 77 | b.c. | Cir. Cum. Cir. | 5 |
| 2 | W. by S. | " | 3 | 29-72 | 80 | 80 | 77 | " | " | 5 |
| 3 | S.S.E. | " | 2 | 29-68 | 81 | 81 | 78 | " | " | 5 |
| 4 | " | Variable | 1 | 29.64 | 82 | 82 | 79 | " | " | 5 |
| 5 | S. by E. | W.S.W. | 2 | 29.63 | 83 | 82 | 78 | " | " | 5 |
| 6 | " | " | 3 | 29.64 | 83 | 81 | 77 | " | " | 5 |
| 7 | " | S. by W. | 6-7 | 29.68 | 81 | 77 | 73 | b.q. | " | 1 |
| 8 | E.S.E. | E.S.E. | 4 | 29-76 | 81 | 76 | 72 | b.c. | " | 1 |
| 9 | South | S.E. | 2 | 29-79 | 81 | 77 | 73 | v.c.fs. | Cum. nimb. | 6 |
| 10 | E.N.E. | East | 3 | 29-80 | 81 | 78 | 74 | " | " | 6 |
| 11 | " | " | 4 | 29.83 | 81 | 76 | 73 | v.c. | " | 6 |
| Mid. | E.S.E. | S.E. by E. | 5 | 29-85 | 79 | 74 | 71 | " | " | 6 |

under the command of W. W. Mead, Commander, U. S. Navy,
Friday, December 30, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences (am) until 4 A.M.
Clear. Light NNE. breeze. Barometer falling.
Distilling.

W. O. Bulmer
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant. barometer low and steady. gentle to light breeze from North and N.N.E. A.B. Rec'd Sirine, left port at 4.45. Received in Pay Department 75 lbs soft bread - 93¾ lbs fresh beef 93¾ lbs. vegetables. Distilling.

J. J. Hawkins
Lieut. U.S.N.

8 AM to Meridian.
Clear and pleasant. Misty. Light breeze from West to WbyS. At 9.30 inspected at quarters and exercised 2d Company at artillery and 3rd Company at infantry. Started fires under one more boiler (am) hoisted smoke stack. 1 Yantic reported 1 absentee, 7 sick (am) 125 tons coal. Received in Equipment Department - 5 lbs. Flax Twine.

W. W. Mead
Lieut. U.S.N.

Meridian to 4 P.M.
Fair. Light airs to gentle breezes from W.S.W. (am) variable. At 1.00 made preparations for getting under-way. At 1.45 turned engines over and at 2.00 got underway and shifted anchorage. Average steam 50 lbs. At 2.25 came to with starboard anchor in 17½ ft (am) veered to 45 fathoms abaft capstan. Bearings at anchor. Cerro (mag) W.N.W. ⅜ W., Chimney Piedras Pt. (mag) N. ⅜ W. Draft. - 8ft 1½ in. Forward 13¾ ft., Amidships 15 ft. Distilling. Banked fires.

W. O. Bulmer
Ensign U.S.N.

4 to 8 P.M.
Partly cloudy first half, cloudy (am) threatening last half of watch. Light to gentle breeze from W.S.W. first two hours. - At 6.00 a heavy squall broke from the S.W. (am) blew fresh for about half an hour, the wind then shifted gradually to E.S.E. (am) dropped to a light breeze by end of watch. Made general signal 6 14 3, housed topgallant masts, secured battery. - let go port anchor (am) veered 30 fathoms on each chain. Fires banked under two boilers. Distilling.

W. W. Mead
Lieut. U.S.N.

8 P.M. to Midnight.
Overcast. Occasional light passing showers (am) occasional squalls varying in force from light to stiff breeze (am) in direction from the East to SE by E. Distilling.

W. O. Bulmer
Ensign U.S.N.

Examined and found to be correct.

Le K. Lewis Jr
Lieut. - Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.E. | E by S. | 4-5 | | | 29.84 | 80 | 72 | 67 | | t.c.q. | cum. nim. | 0 | |
| 2 | | | | S.E. by S. | S.E. by E | 4-5 | | | 29.85 | 79 | 71 | 66 | | " | " | 0 | |
| 3 | | | | " | " | 4-5 | | | 29.85 | 76 | 70 | 65 | | b.c.q. | " | 4 | |
| 4 | | | | S.E. | E.S.E. | 3-5 | | | 29.86 | 77 | 69 | 65 | | " | " | 6 | |
| 5 | | | | E.S.E. | " | 3-5 | | | 29.87 | 77 | 69 | 64 | | " | " | 6 | |
| 6 | | | | " | E. by S. | 3-5 | | | 29.88 | 77 | 69 | 65 | | " | cir. cum. | 8 | |
| 7 | | | | E by S. | " | 3-5 | | | 29.89 | 75 | 69 | 64 | | " | cum | 9 | |
| 8 | | | | East. | " | 3-5 | | | 29.90 | 73 | 70 | 65 | | b.q.m. | " | 9 | |
| 9 | | | | " | East. | 3-5 | | | 29.91 | 73 | 71 | 65 | | b.c | cir. cum. | 8. | |
| 10 | | | | " | " | 3-5 | | | 29.91 | 74 | 71 | 65 | | " | " | 6 | |
| 11 | | | | " | " | 4 | | | 29.92 | 75 | 72 | 67 | | " | " | 5 | |
| Noon. | | | | " | " | 4 | | | 29.92 | 75 | 72 | 67 | | " | " | 4 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 441 gallons.

Water during the preceding 24 hours, 1125 "

Water remaining on hand fit for use at Noon, 2950 "

Coal consumed during the preceding 24 hours, 1 tons 160 lbs.

Coal remaining on hand at Noon, 149 " 1010 "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | E. by S. | E.S.E. | 4 | 29-90 | 76 | 72 | 67 | t.c.m. | cum/nim | 0 |
| 2 | East. | " | 4 | 29-90 | 76 | 72 | 67 | " | " | 0 |
| 3 | " | " | 4 | 29-91 | 76 | 72 | 67 | " | " | 0 |
| 4 | S.E. | " | 4 | 29-90 | 76 | 71 | 67 | " | " | 0 |
| 5 | E.S.E. | " | 4 | 29 91 | 74 | 71 | 67 | t.c.p | " | 2 |
| 6 | S.E. | E. by S. | 3 | 29 91 | 74 | 70 | 66 | " | " | 2 |
| 7 | " | " | 4 | 29-90 | 74 | 71 | 67 | t.c.l. | " | 2 |
| 8 | East. | E by N. | 4 | 29 89 | 74 | 70 | 67 | t.c.l.t | " | 2 |
| 9 | E. by S. | " | 4 | 29-90 | 72 | 70 | 67 | " | " | 1 |
| 10 | N.E. by E. | " | 4 | 29-90 | 70 | 70 | 67 | " | " | 1 |
| 11 | N.E. | " | 4 | 29-90 | 70 | 70 | 67 | " | " | 1 |
| Mid. | " | " | 3 | 29-91 | 70 | 70 | 67 | " | " | 1 |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday, December 31, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 A.M.
Cloudy and clearing. Gentle to stiff breezes from E by S. to S.E. by E. Stopped distilling.

C.M. Malone
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant. Gentle breeze from E.S.E. to E by S., with light squalls. Hazy latter part. Made time and uniform signals, 3340, 3957, 6375, 6378, and 6379. Sent up topgallant masts. Fires banked.

W.M. Wilmer
Lieut. U.S.N.

8 A.M. to Meridian.
Fair. Gentle to stiff breeze from the East. Hove in to 45 fathoms on starboard chain and hove up port anchor. Routine signals as per record. Hauled fires and lowered smoke pipe.

W.O. Hulme
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy and overcast. Moderate breezes from E.S.E. Released Wm. Driscoll (2 C.F.) from confinement by order of Commanding Officer.

C.M. Malone
Ensign U.S.N.

4 to 8 P.M.
Overcast and squally. Gentle to moderate breeze from E.S.E. to E. by N. Occasional passing showers. At 6.15 mustered at quarters.

W.O. Hulme
Ensign U.S.N.

8 P.M. to Midnight.
Cloudy, with lightning to S'd. Gentle and moderate breezes from E. by N.

C.M. Malone
Ensign U.S.N.

Approved
W. W. Mead
Comdr. Comdg

Examined and found to be correct.

A. K. Learned
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | North. | E.N.E. | 2 | | | 29-93 | 72 | 69 | 68 | | o.c.N. | cum. nim. | 0 | |
| 2 | | | | " | North. | 2 | | | 29-96 | 72 | 68 | 67 | | " | " | 0 | |
| 3 | | | | " | N.E. | 1 | | | 29-97 | 72 | 68 | 67 | | " | " | 0 | |
| 4 | | | | " | N.N.E. | 3 | | | 29-94 | 71 | 67 | 66 | | " | " | 0 | |
| 5 | | | | N.N.E. | " | 3 | | | 29-94 | 70 | 67 | 66 | | b.c. | " | 1 | |
| 6 | | | | N.E. | " | 3 | | | 29-94 | 68 | 67 | 65 | | b.c. | cir. cum. nim. | 2 | |
| 7 | | | | S.S.E. | North. | 2 | | | 29-95 | 69 | 68 | 67 | | " | cir. cum. str. | 8 | |
| 8 | | | | S.E. | " | 2 | | | 29-97 | 71 | 71 | 69 | | " | " | 8 | |
| 9 | | | | S.E. by E. | South. | 2 | | | 29-99 | 72 | 73 | 70 | | " | " | 3 | |
| 10 | | | | S.E. by S. | S by E | 2 | | | 29-99 | 72 | 72 | 69 | | " | " | 4 | |
| 11 | | | | S.E. | " | 3 | | | 30-02 | 73 | 72 | 70 | | " | " | 4 | |
| Noon. | | | | " | " | 3 | | | 30-03 | 74 | 73 | 71 | | " | " | 3 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 436 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2514 "

Coal consumed during the preceding 24 hours, tons 1280 lbs.

Coal remaining on hand at Noon, 148 " 1970 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | E. by S. | S. by E. | 2 | 30-04 | 75 | 73 | 71 | b.c. | cir. cum. str. | 3 |
| 2 | S.E. | " | 3 | 30-04 | 74 | 73 | 71 | " | " | 2 |
| 3 | S.S.E. by S. | " | 2 | 30-04 | 75 | 74 | 71 | " | " | 4 |
| 4 | E.S.E. | " | 2 | 30-03 | 75 | 74 | 72 | " | " | 4 |
| 5 | S.S.E. | E.S.E. | 3 | 30-02 | 75 | 74 | 72 | " | " | 5 |
| 6 | " | " | 3 | 30-02 | 75 | 74 | 71 | " | " | 5 |
| 7 | S.E. | " | 3 | 30-02 | 74 | 72 | 70 | b | none | 10 |
| 8 | " | East. | 2 | 30-03 | 73 | 72 | 70 | " | " | 10 |
| 9 | E.S.E. | " | 3 | 30-05 | 73 | 72 | 70 | b.c. | cir. cum. | 8 |
| 10 | E. by N. | E. by N. | 3 | 30-06 | 73 | 72 | 70 | " | " | 6 |
| 11 | " | " | 3 | 30-07 | 73 | 71 | 70 | " | " | 4 |
| Mid. | " | " | 3 | 30-07 | 73 | 71 | 69 | b.c.w. | " | 6 |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday, January 1, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast - Raining - Light to gentle breeze from E.N.E. to N.N.E.

H. Geo. F. W. Holman
Lieut. U.S.N.

4 to 8 A.M.
Cloudy first part, clear last part. Gentle to light breezes from N.N.E., to the North. Uniform signals as per record. At 7.30 made 6341 and crossed topgallant yards. Received in Pay Department 75 lbs fresh bread and 93 3/4 lbs. each Beef and Vegetables.

W.O. Hulme
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy. Light and gentle breeze from South and S by E. At 9.30 Commanding Officer inspected ship and crew at quarters; immediately after which called all hands to muster and read "Articles for government of the U.S. Navy".
The Yantic made following signals at 9.00 Numeral 2, at 10.00 Numeral 5, at 12.00 Numeral 124.

C. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy. Gentle to light breeze from S by E. Sent a liberty party on shore.

Geo. F. W. Holman
Lieut. U.S.N.

4 to 8 P.M.
Cloudy. Clearing. Light and gentle breezes from E.S.E. and East.

C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Fair and pleasant, gentle breeze from East and E. by N.

W. Pg Mann Jr.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.E. | N.E. | 3 | | | 30-07 | 72 | 71 | 70 | | b.c. | cir. cum. cir. | 6 | |
| 2 | | | | " | " | 3 | | | 30-07 | 72 | 71 | 69 | | " | " | 7 | |
| 3 | | | | N.E. by N. | " | 3 | | | 30-07 | 72 | 71 | 69 | | b.cm. | cir. cum. | 9 | |
| 4 | | | | " | " | 3 | | | 30-07 | 72 | 70 | 68 | | " | " | 8 | |
| 5 | | | | N.N.E. | " | 2 | | | 30-06 | 72 | 69 | 68 | | " | " | 7 | |
| 6 | | | | N.E. by N. | " | 3 | | | 30-06 | 72 | 68 | 66 | | " | " | 8 | |
| 7 | | | | N.E. | " | 3 | | | 30-06 | 72 | 70 | 67 | | b.c. | " | 8 | |
| 8 | | | | N.N.E. | N.N.E. | 3 | | | 30-06 | 72 | 71 | 68 | | " | " | 8 | |
| 9 | | | | " | North. | 3 | | | 30-06 | 74 | 74 | 70 | | b | none | 10 | |
| 10 | | | | N.E. | N.N.E. | 3 | | | 30-06 | 75 | 77 | 71 | | " | " | 10 | |
| 11 | | | | N.N.E. | " | 3 | | | 30-05 | 76 | 76 | 72 | | " | " | 10 | |
| Noon. | | | | " | " | 3 | | | 30-03 | 77 | 82 | 73 | | " | " | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 440 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2074 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 148 " 1570 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | N by E. | N.N.E. | 3 | | | 30-01 | 79 | 84 | 74 | | b.cm. | cir cum | 9 | |
| 2 | | | | " | " | 4 | | | 29-97 | 80 | 85 | 75 | | " | " | 9 | |
| 3 | | | | North. | " | 4 | | | 29-93 | 81 | 86 | 76 | | b.c. | " | 9 | |
| 4 | | | | " | " | 4 | | | 29-90 | 84 | 87 | 76 | | " | " | 9 | |
| 5 | | | | N.N.E. | " | 4 | | | 29-90 | 87 | 87 | 76 | | b.cm. | " | 9 | |
| 6 | | | | " | " | 4 | | | 29-90 | 87 | 87 | 75 | | " | " | 8 | |
| 7 | | | | East. | N.E. | 4 | | | 29-90 | 85 | 85 | 74 | | " | " | 4 | |
| 8 | | | | E.S.E. | " | 5 | | | 29-87 | 81 | 82 | 74 | | " | " | 3 | |
| 9 | | | | East. | " | 5 | | | 29-86 | 79 | 79 | 73 | | b.c. | " | 1 | |
| 10 | | | | N.E. by E. | " | 5 | | | 29-84 | 79 | 77 | 71 | | " | " | 1 | |
| 11 | | | | N.E. | " | 4 | | | 29-84 | 78 | 75 | 70 | | o.c.m | " | 1 | |
| Mid. | | | | W.S.W. | " | 2-4 | | | 29-91 | 77 | 75 | 70 | | b. | " | 3 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Monday, January 2, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Pleasant. Hazy. Gentle breeze from N.E.

Jno. L. W. Holman
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant. Light and gentle breezes from N.E. and N.N.E. Executed morning orders. Sent up royal yards at 7.30. Received in Pay Department 93 3/4 lbs. fresh beef and vegetables, and 75 lbs soft bread. Yantic made Interrog. sig. 4561. Answd. Affirmative.

D. McCone
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Gentle breeze from North to N.N.E. At 9.30 mustered at quarters. W. C. Lange (O.S.) absent. By order of Commanding Officer released J. McKeown (Carpenter's Crew), from confinement and confined A. Harder (Coxswain), in the big on bread and water for three days for using abusive language to a shipmate on shore. W. C. Lange (O.S.) returned on board three hours overtime. At 9. Yantic made signal Numeral 2; at 10, num. 5; and at 12, num., 123. At 11.30 made signal to Yantic 29.84.

Jno. L. W. Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and warm, gentle to moderate breeze from N.N.E. Commenced blacking the ship's side. Barometer falling.

W. R. Mansfield
Ensign U.S.N.

4 o'clock to 8 P.M.
Clouding over. Hazy. Moderate breeze from N.N.E. to N.E. Engaged in blacking Ship. A large barque rigged man of war passed up the river. At 7.15 sent down the light yards. At 5.30 made signal 3350, and at 7.15 6158.

Jno. L. W. Holman
Lieut. U.S.N.

8 P.M. to Midnight.
Fair. Stiff breeze from N.E., shifting to W.S.W., and blowing in squalls.

W. R. Mansfield
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Montevideo. Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | North. | North. | 2 | | | 29-91 | 77 | 76 | 71 | | o.c. | cum-nim | 0 | |
| 2 | | | | N.W. by W. | S.S.W. | 4 | | | 29-90 | 75 | 75 | 72 | | o.c.l | " | 0 | |
| 3 | | | | S.W. | South. | 4 | | | 29-88 | 75 | 73 | 70 | | " | " | 0 | |
| 4 | | | | N by E | N.E. | 3 | | | 29-87 | 74 | 73 | 70 | | o.clr. | " | 0 | |
| 5 | | | | N.N.E. | " | 2 | | | 29.88 | 74 | 73 | 70 | | o.cm. | " | 0 | |
| 6 | | | | " | " | 2 | | | 29-91 | 73 | 73 | 70 | | o.c.l. | " | 0 | |
| 7 | | | | South. | " | 1 | | | 29-92 | 73 | 73 | 70 | | bc. | " | 1 | |
| 8 | | | | N.E. | N.N.E. | 1 | | | 29-93 | 74 | 74 | 71 | | " | cir. cum. str. | 4 | |
| 9 | | | | South. | S.E. | 2 | | | 29-92 | 76 | 75 | 72 | | " | " | 7 | |
| 10 | | | | S.S.E. | " | 2 | | | 29-92 | 76 | 75 | 72 | | " | " | 7 | |
| 11 | | | | S.E. | " | 2 | | | 29-92 | 76 | 75 | 72 | | " | " | 7 | |
| Noon. | | | | South. | South | 2 | | | 29-93 | 77 | 74 | 72 | | " | " | 7 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1634 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 148 " 370 "

| P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | E.N.E. | South. | 3 | 29-96 | 77 | 75 | 72 | bc. | cum | 4 |
| 2 | | | " | S.S.E. | 2 | 29-96 | 77 | 75 | 72 | " | " | 4 |
| 3 | | | North. | S by W. | 3 | 29-96 | 75 | 75 | 72 | " | " | 6 |
| 4 | | | N.E. | S.S.E. | 3 | 29-95 | 74 | 75 | 71 | " | " | 8 |
| 5 | | | S.E. | " | 3 | 29-95 | 76 | 75 | 72 | " | " | 7 |
| 6 | | | S.E. by E. | S.E. | 3 | 29-96 | 76 | 75 | 71 | " | " | 7 |
| 7 | | | E by N. | E.S.E. | 3 | 29-96 | 75 | 74 | 71 | " | " | 9 |
| 8 | | | S.E. by S. | E.N.E. | 3 | 29-96 | 74 | 73 | 70 | " | " | 9 |
| 9 | | | S by E. | East. | 2 | 29-95 | 74 | 72 | 69 | b | none | 10 |
| 10 | | | S.E. | " | 2 | 29.95 | 73 | 71 | 68 | " | " | 10 |
| 11 | | | E.S.E. | " | 2 | 29.95 | 73 | 70 | 68 | " | " | 10 |
| Mid. | | | East. | E. by N. | 2 | 29-95 | 72 | 70 | 68 | " | " | 10 |

under the command of P. W. Mead Commander, U. S. Navy,

Tuesday, January 3, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.

Overcast - barometer fluctuating - wind light to moderate in force - variable in direction. Raining last hour.

N J. T. Newton
Lieut. U.S.N.

4 o'clock to 8 P.M.

Overcast - misty and drizzling first part, Clearing latter part - Light airs and baryes pray NE to NW. At 7.35 loosed sail and crossed topgallant yards. At 7.00 made divs signals and at 7.35 - 5 4 5 J.

H Geo. L. W. Holman
Lieut. U.S.N.

8 P.M. to Meridian.

Clear and pleasant, light breeze from S.E. and South - Mustered at quarters and exercised 1st Division, single sticks; 2d Division, great guns; 3rd Division, pistols; Powder and Navigators - Stations. The Yantic made routine signals of absentees, sick and Coal.

W. Rey Mean Mid.
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant - barometer steady - light to gentle breeze from South. S by W. S.S.E. Drilled 2nd Company at setting up - Marines, bayonet exercise -

J. J. Newton
Lieut. U.S.N.

4 to 8 P.M.

Clear and fine, gentle breeze from S.S.E. to E.N.E.

W. Rey Mean Mid.
Ensign U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Barometer steady. Light breeze from East and E. by N.

J. J. Newton
Lieut. U.S.N.

Examined and found to be correct.

E. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.E | 1 | | | 29.95 | 71 | 69 | 68 | | bw. | none | 10 | |
| 2 | | | | N. N.E. | Calm | 0 | | | 29-95 | 71 | 69 | 67 | | " | " | 10 | |
| 3 | | | | North. | N.W. | 1 | | | 29-96 | 71 | 70 | 68 | | " | " | 10 | |
| 4 | | | | " | " | 1 | | | 29-96 | 71 | 69 | 67 | | " | " | 10 | |
| 5 | | | | N. N.W. | " | 1 | | | 29-97 | 71 | 65 | 64 | | bcf. | cum. | 4 | |
| 6 | | | | N. by W. | N.N.W. | 1 | | | 29-97 | 68 | 63 | 62 | | " | " | 4 | |
| 7 | | | | " | " | 2 | | | 29-97 | 70 | 64 | 63 | | bcm. | " | 9 | |
| 8 | | | | W.S.W. | " | 1 | | | 29-97 | 70 | 67 | 66 | | " | " | 9 | |
| 9 | | | | S.S.E | " | 2 | | | 29-98 | 70 | 70 | 66 | | bm. | none | 10 | |
| 10 | | | | S. by W. | W.S.W. | 3 | | | 29-98 | 72 | 72 | 68 | | " | " | 10 | |
| 11 | | | | S. by E. | " | 3 | | | 29-98 | 74 | 73 | 70 | | " | " | 10 | |
| Noon. | | | | " | " | 3 | | | 29-97 | 74 | 74 | 70 | | " | " | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 370 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1284 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 147 " 2210 "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | West. | W.S.W. | 3 | 29.95 | 76 | 75 | 69 | bcm | cirrum | 9 |
| 2 | N.W. | " | 3 | 29.93 | 76 | 77 | 71 | " | " | 9 |
| 3 | West. | West. | 3 | 29.92 | 76 | 78 | 71 | " | " | 9 |
| 4 | W.N.W. | " | 3 | 29.90 | 77 | 79 | 71 | " | " | 9 |
| 5 | West. | " | 3 | 29.88 | 78 | 82 | 72 | b | none | 10 |
| 6 | " | " | 2 | 29.88 | 81 | 83 | 72 | " | " | 10 |
| 7 | " | " | 3 | 29.88 | 79 | 78 | 73 | " | " | 10 |
| 8 | " | " | 2 | 29.88 | 79 | 88 | 75 | " | " | 10 |
| 9 | S. by E. | S.S.E. | 4 | 29.88 | 78 | 75 | 70 | bc | cumm | 8 |
| 10 | S.S.E. | " | 4 | 29.90 | 76 | 74 | 70 | b | none | 10 |
| 11 | " | " | 4 | 29.92 | 76 | 73 | 68 | " | " | 10 |
| Mid. | " | " | 4 | 29.92 | 75 | 72 | 68 | " | " | 10 |

under the command of W. W. Mead, Commander, U. S. Navy,

Wednesday, January 4, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 1st until 4 A.M.
Clear 2nd pleasant. Bright moonlight. Heavy dew. Calm and very light airs from N.E. and N.W.

~~J. Prime~~
Lieut. U.S.N.

4 to 8 A.M.
Clear latter part of watch, foggy first part. Light airs from N.W. and N.N.W.
Received in Pay Department, 75 lbs soft bread, 93 3/4 fresh beef and 93 3/4 vegetables.

W. Pay Master Field.
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant. barometer steady. light to gentle breeze from N.N.W. and W.S.W. At 9.30 quarters, no absentees. At 9.36 called away all boats armed and equipped for distant service. times as follows. Steam Cutter, 6m 15s; Sailing Launch, 7m 15s; = 1st Cutter 4m 50s; = 2d Cutter 5m 55s; = Whale Boat 4m 55s. The boats of this ship and of the Yantic were inspected. Hoisted all boats. At 10.37 called away all boats. armed and equipped for distant service, times as follows. Steam Cutter 7m 20s; Sailing Launch 9m 30s; = 1st Cutter 8m 40s; = 2d Cutter, 4m; = Whale Boat 4m 05s; Gig - 6 minutes. Essex made general signal 45 - 14. Yantic made Num. 1, Num. 5, Num. 12.

~~J. Prime~~
~~Lieut~~ U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Misty along horizon. Gentle breeze from W.S.W. to West.

~~J. Prime~~
Lieut. U.S.N.

4 to 8 P.M.
Clear and pleasant. barometer steady. light to gentle breeze from West. At 615 quarters. At 8 P.M. gunboat Magpie came in and anahored

~~J. Prime~~
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Moderate breeze from S.S.E. Moon rose at 9.30.

~~J. Prime~~
Lieut. U.S.N.

Examined and found to be correct.

W. K. Benson
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.S.E | S.S.E. | 3 | | | 29.93 | 75 | 71 | 67 | | b | none | 10 | |
| 2 | | | | S.E. | " | 3 | | | 29.93 | 75 | 71 | 65 | | " | " | 10 | |
| 3 | | | | " | " | 3 | | | 29.93 | 75 | 70 | 65 | | " | " | 10 | |
| 4 | | | | " | " | 3 | | | 29.93 | 74 | 69 | 64 | | b.c. | Cir. cum. St. | 9 | |
| 5 | | | | S.E. by S. | " | 2 | | | 29.96 | 73 | 69 | 65 | | b. | none | 10 | |
| 6 | | | | " | S.E. | 2 | | | 29.97 | 71 | 70 | 66 | | " | " | 10 | |
| 7 | | | | N.E. | " | 1 | | | 30.00 | 72 | 72 | 67 | | b.m. | " | 10 | |
| 8 | | | | South. | " | 2 | | | 30.01 | 73 | 72 | 68 | | " | " | 10 | |
| 9 | | | | " | S.S.E. | 1 | | | 30.02 | 74 | 72 | 67 | | " | " | 10 | |
| 10 | | | | " | " | 1 | | | 30.02 | 74 | 74 | 69 | | " | " | 10 | |
| 11 | | | | S.S.E. | " | 1 | | | 30.02 | 75 | 73 | 68 | | " | " | 10 | |
| Noon. | | | | South. | S.E. | 1 | | | 30.02 | 75 | 73 | 68 | | " | " | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 446 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 838 "

Coal consumed during the preceding 24 hours, tons 960 lbs.

Coal remaining on hand at Noon, 147 " 1250 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | S by E. | S S E | 3 | 30.02 | 75 | 73 | 68 | b.c | cir. cum | 9 | |
| 2 | | E by S. | S.E. | 3 | 30.02 | 75 | 73 | 68 | b | none | 10 | |
| 3 | | East. | " | 3 | 30.02 | 75 | 73 | 68 | " | " | 10 | |
| 4 | | S.E. | " | 3 | 30.02 | 75 | 73 | 68 | " | " | 10 | |
| 5 | | N.E. by E | E by N. | 3 | 30.01 | 75 | 73 | 69 | " | " | 10 | |
| 6 | | E. by N. | " | 3 | 30.00 | 74 | 72 | 67 | " | " | 10 | |
| 7 | | " | " | 3 | 30.00 | 74 | 71 | 66 | b.c. | cir. cum | 8 | |
| 8 | | " | " | 3 | 30.00 | 75 | 71 | 66 | " | " | 7 | |
| 9 | | East. | East. | 3 | 30.01 | 74 | 70 | 66 | " | " | 9 | |
| 10 | | " | E.N.E. | 3 | 30.01 | 72 | 70 | 66 | " | " | 9 | |
| 11 | | S.E. | N.E. | 3 | 30.01 | 70 | 69 | 65 | b | none | 10 | |
| Mid. | | N.E. | " | 3 | 30.01 | 70 | 67 | 62 | b.c. | Cir. Cu. | 9 | |

under the command of W. W. Mead Commander, U. S. Navy,

Thursday, January 5, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear, Gentle S.S.E., breeze

W. O. Hulme
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant - barometer rising - gentle breeze to light airs from S.S.E. and S.E.

J. Newton
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and pleasant, - Misty. Light airs from S.S.E. to S.E. At 9.30 went to general quarters, 1st Division ready in 1m 00s; = 2d Division, in 1m 15s; = 3rd Division in 0m 50s; = Powder in 2m, 10s; = Navigators in 1m 16s; = Surgeons in 0m 58s; = Caymasters in 0m 56s; = Marine Guard in 0m 55s; Engineers 0m 30s; = Transported No 2, IX in. from starboard to port in 2m 41s, and from port to starboard in 2m, 25s. Made general signal 2757. Yantic made routine signals 1. 4. and 120.
Started fires for distilling. H.M.S. Magpie sent boarding Officer to return boarding call. Commanding Officer visited H.M.S. Magpie.
Wm Forrest Quarter Gunner, reported the expiration of his term of enlistment.
Aug Harder (Coxswain) was released from confinement and restored to duty by order of Commanding Officer.

[illegible]
Lieut. U.S.N.

Meridian to 4 P.M.
Clear. Gentle breeze from S.S.E. to S.E. Exercised Apprentices at signals, Reserve at setting up and recruits at special instruction. By order of Commanding Officer discharged Dan'l McLain, 2d class Fireman, from this vessel and the U.S. Naval Service, at his own request from January 4, 1893, re-enlisted Dan'l McLain, as 2d class Fireman, for three years from this date. H. Jones (Priate Mc), returned from English Hospital. At 2.05 Yantic made Interrogatory 2255, and bent sail, and at 3.05 Interrogatory 4895 and got underway and stood out to Wd. At 4.50 hauled down Senior Officers pennant and broke narrow pennant.

W. O. Hulme
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Gentle breeze from E by N. At 6.15 mustered at quarters, Sent down light yards and bent light sails, and crossed light yards. Made preparations for coaling ship Commenced distilling.

[illegible]
Lieut. U.S.N.

Examined and found to be correct.

8 PM to Midnight.
Clear. Gentle breeze from the East to N.E. Distilling.

W. O. Hulme
Ensign U.S.N.

[illegible]
Lieut. U.S.N. Navigator

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.E. | N.N.E. | 3 | | | 30-00 | 70 | 66 | 62 | | bc. | cir. cum | 7 | |
| 2 | | | | " | " | 3 | | | 30-00 | 70 | 65 | 62 | | " | " | 7 | |
| 3 | | | | " | " | 3 | | | 30-00 | 70 | 65 | 62 | | " | " | 8 | |
| 4 | | | | " | " | 3 | | | 30-00 | 70 | 64 | 62 | | " | " | 8 | |
| 5 | | | | " | " | 3 | | | 30-00 | 70 | 64 | 62 | | " | " | 9 | |
| 6 | | | | " | " | 3 | | | 30-02 | 70 | 65 | 63 | | bcm | " | 9 | |
| 7 | | | | N.by E. | " | 3 | | | 30-03 | 71 | 66 | 63 | | " | " | 9 | |
| 8 | | | | N.N.E. | " | 3 | | | 30-03 | 75 | 70 | 64 | | " | cir. str. | 9 | |
| 9 | | | | N.by E. | N by E. | 3 | | | 30-05 | 74 | 74 | 67 | | " | " | 9 | |
| 10 | | | | " | " | 3 | | | 30-06 | 76 | 77 | 70 | | " | " | 9 | |
| 11 | | | | S.E. | N.E. | 3 | | | 30-06 | 78 | 80 | 72 | | " | " | 9 | |
| Noon. | | | | S.S.E | " | 3 | | | 30-05 | 78 | 81 | 72 | | " | " | 9 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 414 gallons.

Water distilled during the preceding 24 hours, 1950 "

Water remaining on hand fit for use at Noon, 2370 "

Coal consumed during the preceding 24 hours, 1 tons 199 lbs.

Coal remaining on hand at Noon, 203 " 300 "

| P. M. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | East. | East. | 2 | 30-05 | 78 | 82 | 73 | bc. | cir str. | 8 |
| 2 | E.S.E. | E.S.E. | 3 | 30-04 | 80 | 80 | 73 | " | " | 8 |
| 3 | S.E. | " | 3 | 30-03 | 80 | 80 | 74 | " | " | 7 |
| 4 | | " | 3 | 30-02 | 80 | 80 | 74 | " | " | 6 |
| 5 | East. | East. | 3 | 29-99 | 82 | 81 | 73 | " | cir cum str | 5 |
| 6 | E.S.E | " | 3 | 29-99 | 81 | 81 | 72 | " | " | 6 |
| 7 | N.E. by N. | E.N.E. | 3 | 29-98 | 80 | 81 | 72 | " | cir cum | 7 |
| 8 | N.E. | " | 3 | 29-97 | 80 | 80 | 72 | " | " | 7 |
| 9 | N.E. by N. | N.E. | 3 | 29-97 | 80 | 78 | 70 | " | " | 7 |
| 10 | N.N.E. | " | 3 | 29-98 | 79 | 77 | 70 | " | " | 7 |
| 11 | N.E. | " | 3 | 29-98 | 77 | 73 | 68 | " | " | 4 |
| Mid. | N.E by E. | N.E by N. | 4 | 29-98 | 75 | 71 | 67 | " | " | 6 |

under the command of W. W. Mead, Commander, U. S. Navy,
Friday, January 6, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Clear and pleasant - gentle breezes from N.N.E. Distilling.

D. McClone
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant - Misty. Gentle breeze from N.N.E. Commenced coaling at 6.30. Distilling - Received 93¾ lbs fresh meat, 93¾ lbs. vegetables and 75 lbs. soft bread in Pay Department. Draught before coaling 13' 7" in forward, 15' amidships, 16' 6" aft.

W. Harrison
Lieut. U.S.N.

8 A.M. to Meridian.
Clear. Gentle breeze from N. by E. to N.E. Absent without leave Lt. Wentz (Private M.C.) Taking deck load of coal - At 11 to finished coaling having received on board 576 $\frac{1000}{2240}$ Tons. Draft aft 17 ft. forward 14 ft., amidships 15 ft 6 in. Officer was sent to board American Steamer Advance.

W.O. Bulmer
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light and gentle breezes from East and E.S.E. Rove off light braces. Sent liberty party on shore.

D. McClone
Ensign U.S.N.

4 to 8 P.M.
Fair. Gentle breeze from the East to E.N.E. Received in Pay Department 3635 lbs Sugar and 3000 lbs Bread, in Construction Department - 1 gal Linseed Oil and ½ bbl of Pitch.

W.O. Bulmer
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant - gentle and moderate breezes from N.E. and N. by E. Stopped distilling. Private Wentz returned on board 16 hours overtime.

C. McClone
Ensign U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | E.N.E. | N.N.E. | 3 | | | 29-98 | 74 | 69 | 66 | | b.c.w. | Cir. Str. | 6 | |
| 2 | | | | " | " | 4 | | | 29-98 | 73 | 67 | 65 | | " | " | 6 | |
| 3 | | | | " | " | 4 | | | 29-97 | 73 | 66 | 64 | | " | " | 6 | |
| 4 | | | | " | " | 3 | | | 29-96 | 71 | 66 | 64 | | b.c.m | " | 6 | |
| 5 | | | | N.E. by N. | " | 3 | | | 29-98 | 70 | 66 | 64 | | " | " | 7 | |
| 6 | | | | N.N.E. | " | 3 | | | 29-98 | 68 | 67 | 65 | | " | Str. Cum. Str. | 6 | |
| 7 | | | | " | " | 3 | | | 29-98 | 70 | 68 | 67 | | b.c. | " | 6 | |
| 8 | | | | North. | North. | 3 | | | 30-01 | 75 | 71 | 68 | | " | " | 7 | |
| 9 | | | | S.W.by W. | N.W. | 2 | | | 30-02 | 74 | 73 | 68 | | " | " | 4 | |
| 10 | | | | South. | South. | 3 | | | 30-02 | 74 | 73 | 69 | | " | " | 4 | |
| 11 | | | | S. by E | S.S.E | 3 | | | 30-02 | 75 | 73 | 70 | | " | " | 4 | |
| Noon. | | | | S.E. by S. | S.E. by S. | 3 | | | 30-02 | 75 | 73 | 70 | | " | " | 4 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 424 gallons.

Water distilled during the preceding 24 hours, 1019 "

Water remaining on hand fit for use at Noon, 29 55 "

Coal consumed during the preceding 24 hours, 1 tons 950 lbs.

Coal remaining on hand at Noon, 201 " 1590 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S.E. | East | 3 | 29-98 | 77 | 75 | 71 | b.c.m. cir cum. | 4 |
| 2 | East | " | 2 | 29-96 | 77 | 77 | 72 | " " | 4 |
| 3 | E.S.E | E.S.E | 2 | 29-96 | 78 | 78 | 72 | " " | 2 |
| 4 | " | " | 2 | 29-96 | 77 | 77 | 73 | " " | 1 |
| 5 | E by S. | " | 2 | 29-95 | 76 | 75 | 72 | " " | 1 |
| 6 | " | " | 2 | 29-95 | 76 | 75 | 72 | " " | 1 |
| 7 | E. by N. | East. | 3 | 29-95 | 76 | 75 | 71 | " " | 2 |
| 8 | East. | E.S.E | 2. | 29-95 | 76 | 75 | 71 | " " | 4 |
| 9 | E.N.E. | " | 3 | 29-95 | 76 | 75 | 71 | b.c. " | 6 |
| 10 | N.E. by E | E.N.E. | 3 | 29-96 | 75 | 73 | 71 | " " | 8 |
| 11 | N.E. | N.E. | 3 | 29-96 | 73 | 73 | 71 | b.c. none | 10 |
| Mid. | N.E by E | N.N.E. | 3 | 29-96 | 73 | 73 | 71 | " " | 10 |

under the command of W. W. Mead, Commanding, U. S. Navy,

Saturday, January 7, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant - Heavy dew - Gentle to moderate breeze from N.N.E.

Engr. H. W. Osburn
Lieut. U.S.

4 to 8 A.M.
Fair. Gentle breeze from N.N.E. to the North. Received in Pay Department - 3000 lbs Flour - 150 lbs Tea - 840 lbs. Tongue -, 100 gals Vinegar.

W. O. Sulue
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy. Gentle breezes from N.W. and South - to S.E. by S. Received in Equipment Department, 1 bbl lime; = 110 lbs Manilla Rope 2 in; = 114 lbs Manilla Rope 2¼ in; = 98 lbs Manilla Rope 3 in; = 1½ Cord Wood; = In Construction & Repair - 16 gal Alcohol; 242 lbs White Lead; = 112 lbs White Zinc = 50 lbs Gum Shellac. The Yantic came into the harbor and anchored. Exchanged numbers with the Yantic at 10.32. At 10.50 Yantic made signal, interrogatory 5573; Answered Affirmative; At 11.05 Yantic made signal interrogative 4557, answered Affirmative. At 1200 Yantic made signal Numeral 101. The Commanding Officer of Yantic called on board. Hauled fires under distilling boiler.

C. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy - Hazy - Gentle to light breeze from East to E.S.E. Transferred to the Yantic in Ordnance 7000 cartridges, rifle ball, calibre 45, - 4 sheepskin sponge head covers 18 in; 1 ditto 8 in; 1 ditto 60 Pdr. Received in Pay Department - 3600 lbs Bread, 1000 lbs Flour. 5 Kegs, 1 Keg, 220 lbs Fruit 25 Bags Beans, 4 - ½ bbls Rice, 1 Box Butter, 1 Box Tea, 1600 lbs Coffee

Engr. H. W. Osburn
Lieut. U.S.N.

4 to 8 P.M.
Cloudy - Light and gentle breezes from E.S.E and East. At 6.15 mustered at quarters

C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight
Fair. then clear - gentle breeze from E.S.E. to N.N.E.

W. Rayhawn Field.
Ensign U.S.N.

Examined and found to be correct.

G. K. Curtis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.E. | N.E. | 3 | | | 29.97 | 75 | 79 | 70 | | bm. | nim | 10 | |
| 2 | | | | " | " | 2 | | | 29.96 | 75 | 73 | 71 | | " | " | 10 | |
| 3 | | | | E.N.E. | " | 3 | | | 29.96 | 74 | 72 | 70 | | " | " | 10 | |
| 4 | | | | S.by E. | " | 3 | | | 29.94 | 73 | 72 | 70 | | " | " | 10 | |
| 5 | | | | " | " | 2 | | | 29.97 | 74 | 72 | 70 | | bcm. | Cir. cumm. | 8 | |
| 6 | | | | S.S.E. | " | 2 | | | 29.98 | 73 | 70 | 69 | | " | " | 8 | |
| 7 | | | | " | " | 2 | | | 29.98 | 76 | 71 | 69 | | " | " | 9 | |
| 8 | | | | " | " | 2 | | | 29.98 | 79 | 72 | 70 | | " | " | 8 | |
| 9 | | | | " | East. | 2 | | | 29.98 | 76 | 75 | 72 | | " | " | 8 | |
| 10 | | | | East. | " | 3 | | | 29.98 | 76 | 76 | 72 | | " | " | 8 | |
| 11 | | | | S.E. | E.N.E | 3 | | | 29.98 | 75 | 75 | 72 | | " | " | 6 | |
| Noon. | | | | " | " | 3 | | | 29.97 | 76 | 75 | 72 | | " | " | 6 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ☉ ° ′ ″

Longitude by chronometer from Forenoon Observations of ☉ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ☉ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ☉ observed at " ° ′ ″

Variation of the Compass by Azimuth ☉ observed at " ° ′ ″

Water expended during the preceding 24 hours, 444 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 25 11 "

Coal consumed during the preceding 24 hours, tons 41 0 lbs.

Coal remaining on hand at Noon, 201 " 1190 "

| P. M. | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | S.E. by E. | S.E. | 4 | 29.97 | 76 75 71 | bc. | 3 |
| 2 | S.E. by S. | S.E. by E. | 4 | 29.96 | 78 75 72 | bcm | 3 |
| 3 | E.S.E. | E.S.E. | 4 | 29.94 | 77 75 72 | " | 4 |
| 4 | E. by S. | E. by S. | 4 | 29.92 | 77 76 73 | " | 4 |
| 5 | E.S.E. | | 5 | 29.89 | 78 76 72 | " | 3 |
| 6 | " | " | 4 | 29.88 | 77 75 71 | " | 2 |
| 7 | East. | East. | 4 | 29.87 | 77 75 71 | " | 2 |
| 8 | " | " | 5 | 29.87 | 77 76 72 | " | 2 |
| 9 | W.E. | W.E. | 3 | 29.87 | 76 76 72 | " | 6 |
| 10 | " | " | 4 | 29.87 | 76 75 71 | " | 6 |
| 11 | " | " | 4 | 29.88 | 76 74 70 | " | 6 |
| Mid. | " | " | 4 | 29.88 | 75 73 70 | " | 4 |

under the command of W. W. Mead, Commander, U. S. Navy,
Sunday, January 8, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Hazy. Pleasant. Light to gentle breeze from N.E.

Jno. H. W. Coleman
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant. Light breezes from N.E.
Executed morning orders H.M.S. Basilisk, came in and anchored

C. M. Lions
Ensign U.S.N.

8 A.M. to Meridian.
Hazy, Pleasant. Light to gentle breeze from N. East to E.S.E. At 9.30 mustered at quarters: absent J. J. Talvey. (C.H.)
Received on board stores in Paymaster's Engineers and Equipment Departments as follows. 18 lbs Pork 6 tierces Beef, 696 lbs. Tomatoes, 960 lbs Corned Beef, 96 lbs Mutton, 720 lbs Roast Beef, 528 lbs Ham, 600 lbs Tongue, 440 lbs. Pickles, 1380 Vegetables, 720 lbs Butter;= 5 gals Turpentine, 194 lbs. slab. zinc, 50 lbs. sheet-lead, 97 lbs Cotton waste, 12 corn-brooms, 10 lbs Caustic soda, 100 lbs. sal soda, 10 gals. Boiled Linseed oil, 2 lbs. Shellac, ½ gal Alcohol, 153 gals Illuminating oil;= 102 gals. Olive oil.
At 9.00 Yantic signalled Num, 3;- at 10.00 Num, 4; and at 12 Num 99.

Jno. H. W. Coleman
Lieut. U.S.N.

Meridian to 4 P.M.
Fair. Moderate breeze from S.E. to E by S.

W. P. Wainwright
Ensign U.S.N.

4 o'clock to 8 P.M.
Hazy. Cloudy. Stiff to moderate breeze from E by S. to East. At 5.30 made signal 33 50.

Jno. H. W. Coleman
Lieut. U.S.N.

8 P.M. to Midnight.
Fair and pleasant. Moderate breeze from N.E.

W. P. Wainwright
Ensign U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

Montevideo, Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.E. by N. | 4 | | | 29-97 | 74 | 72 | 69 | | o c | cum. nim | 0 | |
| 2 | | | | " | " | 4 | | | 29 98 | 74 | 72 | 70 | | " | " | 0 | |
| 3 | | | | N. by W. | N. by W. | 3 | | | 29-99 | 75 | 72 | 70 | | " | " | 0 | |
| 4 | | | | " | " | 3 | | | 29-98 | 75 | 72 | 70 | | " | " | 0 | |
| 5 | | | | " | " | 2 | | | 29-93 | 74 | 72 | 69 | | o c n | " | 0 | |
| 6 | | | | North | N.N.E. | 3 | | | 29-94 | 74 | 72 | 69 | | " | " | 0 | |
| 7 | | | | N. by E. | " | 2 | | | 29-94 | 73 | 71 | 69 | | o. c. d. | " | 0 | |
| 8 | | | | " | " | 2 | | | 29-95 | 72 | 71 | 69 | | o c r | " | 0 | |
| 9 | | | | North. | " | 2 | | | 29-97 | 74 | 72 | 70 | | o c r. | " | 0 | |
| 10 | | | | N.N.E. | N.E. | 2 | | | 29-97 | 74 | 72 | 70 | | " | " | 0 | |
| 11 | | | | " | " | 2 | | | 29-97 | 74 | 72 | 70 | | o c d | " | 0 | |
| Noon. | | | | " | E.N.E. | 2 | | | 29-97 | 73 | 71 | 70 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 4.47 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2064 "

Coal consumed during the preceding 24 hours, 1 tons 80 lbs.

Coal remaining on hand at Noon, 200 " 1110 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | N. NE. | N.E. by E | 2 | 29-96 | 72 | 71 | 70 | o c. | cum. nim | 0 | |
| 2 | | | | " | " | 2 | 29-93 | 74 | 72 | 70 | o c. | " | 2 | |
| 3 | 7 | 2 | 5-4 | E ¼ N | " | 2 | 29-94 | 74 | 72 | 69 | " | " | 2 | |
| 4 | 7 | 4 | 12 8 | " | N.E | 2 | 29-94 | 75 | 72 | 69 | " | " | 4 | |
| 4.12 | 1 | 7 | 14.5 | " | | | | | | | | | | |
| 5 | 6 | 7 | 21.25 | E by N. | East. | 3 | 29-91 | 76 | 71 | 69 | " | " | 4 | |
| 6 | 8 | 0 | 29.25 | " | E by N. | 3 | 29-92 | 76 | 70 | 68 | " | " | 6 | |
| 7 | 8 | 0 | 37.0 | " | " | 3 | 29-94 | 76 | 69 | 67 | " | " | 7 | |
| 8 | 8 | 0 | 45.8 | " | E.N.E. | 3 | 29-96 | 77 | 68 | 66 | " | " | 7 | |
| 9 | 8 | 8 | 52.3 | " | " | 4 | 30-01 | 75 | 67 | 65 | " | cir. cum. | 9 | |
| 10 | 5 | 9 | 59.8 | E NE | N.E. | 3 | 30-01 | 76 | 67 | 64 | " | " | 9 | |
| 11 | | | 64.5 | E ⅜ N | " | 1 | 30-01 | 77 | 67 | 66 | " | " | 9 | |
| Mid. | | | | N. NW. | " | 1 | 30-01 | 75 | 68 | 67 | " | " | 10 | |

under the command of W. W. Mead, Commander, U. S. Navy,
Monday, January 9, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast. barometer steady - moderate to gentle breeze from N.E. by N. and N.N.W.

J. T. Newton
Lieut. U.S.N.

4 o'clock to 8 A.M.
Overcast. Misty. Light drizzle third hour; raining last hour. Gentle to light breeze from N. by W. to N.N.E. Transported sheet anchor to after bill board and unbent the chain. Received on board for use of crew 92½ lbs. each fresh beef and vegetables and 74 lbs. bread - Wm. L. Bratton (Oiler) returned a board 22 hours overtime. At 7. made dress signals.

George W. Holman
Lieut. U.S.N.

8 A.M. to Meridian
Overcast and raining, light breeze from N.N.E., to N.E. Received from U.S.S. "Yantic" the following named men, with their transfer papers and accounts viz; = M. Riley (Sea); D. Messing (S.A.) F.X. Colling, (S.A.) and J. McAready, (Machinist) By order of the Commanding Officer, discharged Wm. Carmichael (Mach.) from this vessel, and the U.S. Naval Service, at his own request waiving all claims to transportation or Consular aid, from this date; transferred Wm. Witton (Sea) M.J. Cummings (S.A.), and Thos. Miller (C.S.) to the U.S.S. Yantic, with their bags, hammocks, and necessary transfer papers from this date

W. Ray Mason
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy - clearing latter part - light breeze from N.E. by E. and N.E., barometer falling slowly - Completed preparations for sea. At 1.10 - called all hands up anchor for home Got under way at 1.45. The Cruiser Colon, Yantic, Basilisk and Magpie made International F.C.S.B. Essex replied B.R.D. and R.S.J. - Answered cheers of Yantic Basilisk and Magpie. Stood out of port (under Officer conning. At 2.20 took departure El Toro bearing N.W. (mag); Bara St., N.E. ½ E (mag), patent log reading 0; and set course E by S, Draught forward 14 ft, amidships 15 ft 6 in; aft 17 ft. Received in Pay Department 240 lbs ox tongue - At end of watch, Flores Is. Light- bore N.E. ¾ E., distant about 3 miles - Average steam pressure 65. Average revolutions 49.

J. T. Newton
Lieut. U.S.N.

4 to 8 P.M.
Fair, Gentle breeze from the East to E.N.E. At 4 h. Changed course to E. by N. Pat. Log 114.5. Average revolutions 51, steam 74 lbs. Pat. Log, at end of watch 45.8.

W. O. Bulmer
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant - Light airs to moderate breezes from E.N.E. and N.E. Steaming with three boilers, course E by N. at 7.15 changed course to E.N.E., pat. log 54.4. From 9 to eleven changed course at intervals, steaming into Maldonado Bay. At 11.05 let go, starboard anchor in 6½ fathoms water, with 30 fathoms chain. Banked fires. Bearings at anchorage, Punta del Este Light. S.E. ½ S. distant 2½ miles. Average steam 68. Average revolutions 42.

Examined and found to be correct.

C. M. Stone
Ensign U.S.N.

Navigator.

LOG of the UNITED STATES "Steamer Essex", 3rd Rate,

Maldonado Uruguay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | East. | 1 | | | 30-00 | 70 | 68 | 67 | | b.w. | none | 10 | |
| 2 | | | | East. | E. N.E. | 1 | | | 30-00 | 72 | 67 | 66 | | " | " | 10 | |
| 3 | | | | " | " | 2 | | | 30-00 | 72 | 67 | 66 | | " | " | 10 | |
| 4 | | | | " | " | 2 | | | 30-00 | 72 | 67 | 66 | | " | " | 10 | |
| 5 | | | | N.E. by E. | " | 2 | | | 30-02 | 72 | 67 | 66 | | b.c.w. | cum | 8 | |
| 6 | | | | " | " | 2 | | | 30-03 | 72 | 68 | 67 | | " | " | 8 | |
| 7 | | | | " | " | 2 | | | 30-03 | 72 | 69 | 68 | | " | " | 9 | |
| 8 | | | | N.E. | N.E. by N. | 2 | | | 30-05 | 73 | 71 | 70 | | " | cir. cum. | 9 | |
| 9 | | | | E by N. | E by N. | 3 | | | 30-05 | 73 | 71 | 69 | | " | " | 9 | |
| 10 | | | | " | " | 3 | | | 30-05 | 73 | 71 | 69 | | " | " | 9 | |
| 11 | | | | " | " | 4 | | | 30-05 | 75 | 73 | 70 | | " | " | 8 | |
| Noon. | | | | " | " | 4 | | | 30-04 | 75 | 73 | 70 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 919 gallons.

Water distilled during the preceding 24 hours, 896 "

Water remaining on hand fit for use at Noon, 2560 "

Coal consumed during the preceding 24 hours, 5 tons 1520 lbs.

Coal remaining on hand at Noon, 194 " 1830 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | E ½ N. | E by N. | 4 | | | 30-02 | 71 | 70 | 68 | 65 | b.c.w. | cir. cum. | 8 | |
| 2 | 6 | 0 | 2-2 | " | " | 4 | | | 30-02 | 71 | 70 | 68 | 63 | " | " | 8 | 5 |
| 3 | 6 | 8 | 9-0 | " | " | 4 | | | 30-03 | 75 | 71 | 69 | 63 | b.w. | none | 10 | C |
| 4 | 6 | 5 | 15-5 | " | " | 4 | | | 30-03 | 75 | 71 | 69 | 63 | " | " | 10 | " |
| 5 | 6 | 6 | 22-4 | " | " | 4 | | | 30-02 | 75 | 70 | 69 | 64 | " | " | 10 | R. |
| 6 | 6 | 7 | 29-1 | " | E. N.E. | 4 | | | 30-02 | 75 | 71 | 69 | 67 | o.c. | cir cum | 0 | " |
| 7 | 5 | 6 | 33-1 | " | " | 3 | | | 30-12 | 76 | 72 | 70 | 69 | b.c. | " | 2 | " |
| 8 | 5 | 5 | 39.00 | " | " | 3 | | | 30-03 | 76 | 72 | 70 | 68 | " | " | 2 | " |
| 9 | 5 | 0 | 44.0 | " | " | 3 | | | 30-07 | 81 | 72 | 70 | 68 | " | " | 2 | " |
| 10 | 4 | 3 | 48.2 | " | " | 3 | | | 30-07 | 81 | 72 | 70 | 68 | o.c.d. | cum nim. | 0 | " |
| 11 | 4 | 0 | 51.4 | " | " | 3 | | | 30-06 | 79 | 71 | 70 | 67 | " | " | 0 | " |
| Mid. | 4 | 2 | 55-7 | " | " | 3 | | | 30-05 | 77 | 71 | 70 | 68 | " | " | 0 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, January 10, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced Midnight & A.M.

Clear and pleasant. Light airs and breezes from East to E.N.E. Distilling - Heavy dew.

H. Geo. F. W. Holman
Lieut. U.S.N.

4 to 8 A.M.

Clear and pleasant, misty along horizon - Light breeze from E. & N.E. and N. At 4.45 sent working party on shore in charge of Ensign W. G. Field and P.A.Surg. Diehl, with orders to disinter the remains of Wm. Sulthane and bring them on board. Fires banked. Distilling. Loosed sail to dry.

W. F. Harrison
Lieut. U.S.N.

8 A.M. to Meridian -

Bright and pleasant - barometer steady - gentle to moderate breeze from E. by N. Sent all fores and aft sail - Capt. Gaff Corpse received on board for transfer to the United States, the remains of William Sulthane - Spread fires and made preparations for getting underway -

N. J. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Clear. Moderate E by N. breeze. At 12.05 got underway and stood out of Maldonado. Uruguayan gunboat made international code, F.C.S.V. we answered R.S.J. and B.R.D. Sent down light yards. Set up rigging for full dress, and preparing for sea. Secured starboard anchor. Unbent fore topsail, gaff up and down mast. At 1.40 took departure Punta del Este Light bearing S.W. 3/4 W., distant 3 miles - Course E 1/2 N. and put over patent log. Average Revolutions 48.4, Steam 66 lbs. Pat Log at end of watch 15.5

W. O. Chelew
Ensign U.S.N.

4 to 8 P.M.

Clear and pleasant first hour. Cloudy last three hours. Moderate and stiff breeze from E. by N. and E.N.E. Steaming with three boilers on course E 1/2 N. At 600 stopped to sound; 20 fathoms water, blue mud bottom. Average steam 70, Average revolutions 48.

C. M. Vose
Ensign U.S.N.

8 P.M. to Midnight.

Overcast. Misty - Drizzling last three hours. Steering a course E 1/2 N. Took hourly soundings, stopping the engines for the purpose. Soundings as follows - 8^00, 18 fathoms, f.g.s.; 9^00 failed to get record of depth (Thomsons machine), f.g.s.; 10^00 19 fathoms f.g.s.; 11^00, 15 fathoms, f.g.s., and at 12^00, 17 fathoms, f.g.s. Average steam 63.5; revolutions 41.6

Geo. F. W. Holman
Lieut. U.S.N.

Examined and found to be correct.

M. K. Curtis
Lieut, Navigator.

LOG of the UNITED STATES Steamer Essex 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 4 | 3 | 60.0 | E ½ N. | E.N.E. | 5 | | | 30-04 | 76 | 72 | 70 | 68 | b.c. | cir. cum. | 5 | m c |
| 2 | 4 | 5 | 64.5 | " | " | 5 | | | 30-00 | 75 | 71 | 70 | 68 | b.c.d. | cir. cum. strat. | 5 | . |
| 3 | 4 | 5 | 69.0 | " | " | 5 | | | 30-01 | 75 | 71 | 70 | 68 | " | " | 5 | . |
| 4 | 4 | 2 | 73.2 | " | " | 4 | | | 30-02 | 75 | 71 | 70 | 68 | " | " | 5 | " |
| 5 | 4 | 1 | 77.3 | " | N.E. | 4 | | | 30-02 | 74 | 72 | 70 | 68 | b.c.w. | " | 1 | M |
| 5.5 | 2 | 7 | 80.0 | N.E. ½ E. | " | 4 | | | 30-04 | 74 | 72 | 70 | 68 | " | " | 1 | " |
| 6 | 0 | 6 | 80.6 | | " | 4 | | | 30-06 | 75 | 72 | 71 | | b.c.p. | cir. cum. | 7 | " |
| 7 | 4 | 5 | 85.1 | " | " | 4 | | | 30-06 | 75 | 74 | 71 | | " | " | 4 | " |
| 8 | 4 | 4 | 89.5 | " | " | 3 | | | 30-04 | 76 | 73 | 70 | 71 | b.c. | " | 1 | . |
| 9 | 2 | 6 | 92.1 | " | " | 3 | | | 30-04 | 76 | 73 | 70 | 71 | " | " | 1 | " |
| 10 | 5 | 4 | 97.5 | " | " | 4 | | | 30-02 | 76 | 72 | 70 | | o.c. | " | 0 | |
| 11 | 5 | 3 | 102.8 | E by N. | " | 4 | | | 30-02 | 76 | 72 | 70 | | o.c. | " | 0 | |
| Noon. | 5 | 7 | 107.5 | " | " | 4 | | | 30-01 | 76 | 72 | 71 | 71 | b.c. | " | 4 | |

Course and distance made good since preceding noon by observations, E 4° S 104 knots tenths.

Position at Noon:
- Latitude by D. R. S 34 ° 53 ' 06 "
- Longitude by D. R. W 42 ° 47 ' 00 "
- Latitude by observations of ⊙ S. 35 ° 07 ' 44 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 52 ° 48 ' 12 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, — knots .6 tenths per hour, setting to the S 3° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " NE×E E 6 ° ' "

Water expended during the preceding 24 hours, 278 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2282 "

Coal consumed during the preceding 24 hours, 10 tons 1375 lbs.

Coal remaining on hand at Noon, 184 " 455 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 1 | 112.6 | E by N. | N.E. | 4 | 30-01 | 76 | 73 | 71 | 72 | b.c. | cir. cum. | 3 | |
| 2 | 5 | 4 | 118.0 | " | " | 4 | 30-02 | 77 | 73 | 71 | | " | " | 4 | |
| 3 | 5 | 8 | 123.8 | " | " | 5 | 30-01 | 76 | 73 | 71 | | " | " | 4 | |
| 4 | 5 | 4 | 129.2 | " | " | 5 | 30.00 | 76 | 73 | 71 | 72 | " | " | 3 | |
| 5 | 5 | 3 | 134.5 | " | " | 5 | 29-98 | 75 | 73 | 71 | | " | " | 4 | R |
| 6 | 5 | 7 | 140.2 | " | " | 5 | 29-97 | 75 | 73 | 71 | | " | " | 4 | " |
| 7 | 4 | 8 | 145.0 | " | " | 5 | 29-97 | 77 | 72 | 71 | | " | " | 3 | " |
| 8 | 4 | 2 | 150.0 | " | " | 5 | 29-99 | 77 | 72 | 71 | 72 | " | " | 3 | " |
| 9 | 5 | 5 | 155.5 | " | " | 5 | 29-98 | 77 | 72 | 71 | | " | " | 8 | " |
| 10 | 5 | 0 | 160.5 | " | " | 4-6 | 29-99 | 77 | 73 | 70 | | o.c.q. | " | 0 | " |
| 11 | 5 | 3 | 165.8 | " | " | 4-6 | 29-98 | 77 | 73 | 71 | | " | " | 0 | " |
| Mid. | 5 | 2 | 171.0 | E.N.E. ½ E. | " | 4-6 | 29-96 | 75 | 72 | 71 | 71 | b.c. | " | 4 | " |

under the command of W. K. Mead, Commander, U. S. Navy,

Wednesday, January 11, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Generally cloudy with moon and stars visible at frequent but short intervals. Wind unsteady in force and direction varying from E.N.E, to N.E. and from moderate to stiff breeze. Moderate sea, steaming under three boilers. Pitching moderately - got soundings in 17, 22, 20 and 30 fathoms. Steam 60 lbs. Revolutions 44. Pat. Log. 73.2

~~F.F. Wilcox~~
~~Lieut. U.S.N.~~

4 to 8 A.M.
Generally cloudy - passing showers - barometer rising. Moderate breeze from N.E. Moderate head sea. At 5:10 changed course to N.E. ½ E. patent log reading 80. Average steam pressure 56. Average revolutions 39.5

N. J. T. Marix
Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy - gentle to moderate breeze from N.E. At 10.00 by order of Commanding Officer set fore and aft and let the ship go off to E. by N. (p.s.c.) Mustered at quarters. Average steam 64. Average revolutions 42.

W. Pyman Kelly
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy. Moderate to fresh breeze from N.E. Course made good E. by N. Under steam fore and aft sail. Average revolutions 44.4; steam 68. lbs. Patent Log at end of watch 129.2.

W.O. Hulme
Ensign U.S.N.

4 to 6 P.M.
Cloudy. Stiff breeze from N.E. Steaming with three boilers and fore and aft sails. Course E by N. Took in flying jib. Average steam 69. Average revolutions 43.

C.W. Rose
Ensign U.S.N.

6 o'clock to 8 P.M.
Cloudy. Stiff breeze from N.E. Under steam and fore and aft sail. Average steam 69; revolutions 45.5

Geo. F. Holman
~~Lieut. U.S.N.~~

8 P.M. to Midnight.
Cloudy - with short periods clear bright starlight. Moderate breeze with frequent moderate squalls. Rough sea. Took in main top-mast staysail. Revolutions 39.2. Steam 62 lbs. Patent Log 171.0

~~F.F. Wilcox~~
~~Lieut. U.S.N.~~

Examined and found to be correct.

W. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 4 | 7 | 175.7 | E. N.E. 1/4 E | N.N.E. | 5-7 | | | 29-96 | 75 | 73 | 71 | 71 | o.c.q. | Cum. Nim. | 0 | m. |
| 2 | 5 | 4 | 181.1 | N.E. by E 1/2 E | N by E | 4-5 | | | 29-95 | 75 | 73 | 71 | 71 | " | " | 0 | " |
| 3 | 4 | 4 | 185.5 | E. N.E. | N.N.E. | 5-6 | | | 29-95 | 75 | 73 | 71 | 71 | o.c.q. p | " | 0 | " |
| 4 | 4 | 7 | 190.2 | " | " | 4-6 | | | 29-96 | 75 | 72 | 71 | 71 | o.c.q. d | " | 0 | " |
| 5 | 4 | 5 | 194.7 | E.N.E. 1/2 E | N.E. by N. | 4 | | | 29-99 | 74 | 72 | 71 | 71 | b.c m. | " | 1 | m |
| 6 | 4 | 2 | 198.9 | E.N.E | " | 4 | | | 30-01 | 74 | 72 | 71 | 71 | o c.m | " | 0 | " |
| 7 | 4 | 9 | 203.8 | E.N.E. 1/4 E. | " | 4 | | | 30-01 | 73 | 72 | 71 | 71 | " | " | 0 | " |
| 8 | 4 | 7 | 208.5 | " | " | 4 | | | 30-01 | 74 | 72 | 71 | 71 | b.c.w. | " | 2 | " |
| 9 | 4 | 5 | 213.0 | E.N.E 3/4 E | N.E. | 4 | | | 30-02 | 74 | 73 | 72 | 71 | " | " | 2 | " |
| 10 | 5 | 0 | 218.0 | " | " | 4 | | | 30-02 | 75 | 72 | 70 | 71 | " | " | 2 | " |
| 11 | 5 | 5 | 223.5 | E by N. | " | 4 | | | 30-02 | 75 | 72 | 70 | | " | " | 2 | |
| Noon. | 4 | 7 | 228.2 | E 1/2 N. | " | 4 | | | 30-01 | 75 | 72 | 70 | | " | " | 2 | |

Course and distance made good since preceding noon by observations, E 1/2 S. 140 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 34 ° 48' 44"
- Longitude by D. R. W. 50 ° 22' 12"
- Latitude by observations of ⊙ S. 35 ° 14' 57"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 49 ° 56' 47"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, / knots 4 tenths per hour, setting to the S.E. 1/2 S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 282 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, 10 tons 355 lbs.

Coal remaining on hand at Noon, 174 " 100 "

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | 3 | 6 | 232.2 | E 1/2 S. | N.E. | 4 | | 1/2 | 29-98 | 75 | 71 | 70 | 71 | o.c. | Cum | 0 | R. |
| 2 | 4 | 0 | 235 8 | " | " | 4 | | 1/2 | 29-97 | 75 | 71 | 70 | | " | " | 0 | " |
| 3 | 4 | 0 | 239.5 | " | " | 4 | | 1/2 | 29-95 | 75 | 71 | 70 | | " | " | 0 | " |
| 4 | 3 | 4 | 242.5 | " | " | 3 | | 1/2 | 29-95 | 74 | 70 | 69 | 70 | " | " | 0 | " |
| 5 | 4 | 6 | 248.2 | E. by S. | N.E. by N. | 3 | | 1/2 | 29-95 | 73 | 71 | 70 | | " | " | 0 | " |
| 6 | 4 | 6 | 253.2 | E 3/4 S. | " | 3 | | 1/2 | 29-96 | 73 | 70 | 69 | | " | " | 0 | " |
| 7 | 4 | 4 | 256.8 | E. by S. | " | 3 | | 1 | 29-97 | 73 | 69 | 68 | | " | " | 0 | m. |
| 8 | 4 | 4 | 260.0 | " | " | 3 | | 1 | 29-99 | 75 | 69 | 68 | 70 | b.c. | Cir. Cum. | 2 | " |
| 9 | 3 | 3 | 263.2 | E 3/4 S. | N.N.E. | 3 | | 1/2 | 29-99 | 76 | 69 | 67 | | b.c. l.m. | " | 4 | " |
| 10 | 3 | 0 | 266.0 | E 1/4 S. | " | 3 | | 1/2 | 29-98 | 76 | 69 | 68 | | " | " | 6 | " |
| 11 | 2 | 2 | 268.2 | E 1/8 S. | " | 2-3 | | 1/2 | 29-98 | 73 | 69 | 68 | | b. cu. | " | 5 | " |
| Mid. | 2 | 0 | 270.2 | E 1/4 N. | N. by E. | 2-3 | | 1/2 | 29-98 | 74 | 69 | 68 | | b.c.p. | " | 5 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday, January 12, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast - equally - occasional passing showers. Wind fresh to very fresh - from N. by E. and N.N.E. Moderate sea from N.N.E. and N Reefed jib - Fore topmast staysail - Main trysail and spanker. Average steam pressure 70. Average revolutions 46.8.

N. J. T. Hunter
~~Lieut. U.S.N.~~

4 to 8 A.M.

Overcast, misty then clearing. Moderate breeze from N.E. by E. Moderate sea. Course N.E. ½ E. heading full and by. Average steam Average revolutions

W. R. Mason Field.
Ensign U.S.N.

8 A.M. to Meridian

Cloudy. Moderate N.E. breeze. At 9ᵐ set maintopmast staysail. At 9.30 mustered at quarters. The Commanding Officer awarded the following punishments, Sutterley W.C. (S.A.) Loitering ashore when sent on duty with his boat; - on Quarter Deck - 2 extra watches. At 11.20 crossed light yards and at 11.50 made sail to topsails, keeping her full and by heading E ½ S. Average revolutions 41, Steam 60 lbs. Pat Log at end of watch 228.2

W. O. Hulme
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy and overcast. Gentle and moderate breeze from N.E. Ship under plain sail to topsails except mainsail. Course full and by; heading about E ½ S. Hauled fires under two boilers and banked them under other one. Started distilling.

C. M. Stone
Ensign U.S.N.

4 o'clock to 6 P.M.

Overcast - Gentle breeze from N.E. by N. Steering full and by. At 4.10 set top-gallant sails - Distilling.

Jaygo Z. Wakeman
~~Lieut. U.S.N.~~

6 to 8 P.M.

Cloudy - with short period blue sky latter part - Gentle breeze from N.E. by N. Moderate Sea. Steering full and by. Distilling.

H. Winslow
~~Lieut. U.S.N.~~

8 P.M. to Midnight.

Alternating clear and cloudy. - barometer steady - gentle to light breeze from N.N.E and N. by E. Set royals, flying jib, main and mizzen topmast staysails. Course full and by.

F. J. Hunter
~~Lieut. U.S.N.~~

Examined and found to be correct.

W. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 3 | 0 | 272. 5 | E ¼ N. | N.N.E | 2 | | | 29-96 | 72 | 68 | 67 | 71 | o.cd. | cum. nim. | 0 | W. |
| 2 | 2 | 8 | 274. 8 | " | " | 2 | | | 29-96 | 72 | 68 | 67 | 71 | o.c. | " | 0 | " |
| 3 | 3 | 5 | 277. 8 | E ½ N | " | 3 | | | 29-96 | 72 | 68 | 67 | 70 | b.c. | cir. cum. | 4 | " |
| 4 | 4 | 0 | 280. 4 | " | " | 3 | | | 29-96 | 72 | 68 | 68 | 70 | " | " | 5 | " |
| 5 | 4 | 2 | 282. 6 | E.N.E ¾ E. | N. by E. | 3 | | 2 | 29-96 | 71 | 68 | 68 | 70 | " | " | 1 | " |
| 6 | 3 | 8 | 285. 2 | " | " | 3 | | 2 | 29-98 | 71 | 68 | 68 | 70 | b.c.m. | " | 1 | " |
| 7 | 3 | 3 | 287. 1 | E. NE ½ E. | " | 2 | | 2 | 29-99 | 71 | 69 | 68 | 70 | " | cir. cum. nim. | 1 | " |
| 8 | 3 | 6 | 288. 9 | E by N. | " | 2 | | 2 | 30-00 | 72 | 69 | 69 | 70 | " | " | 1 | " |
| 9 | 2 | 5 | 290. 2 | " | " | 2 | | 1¾ | 30-01 | 72 | 69 | 69 | 70 | " | " | 1 | S |
| 10 | 3 | 4 | 293. 2 | E. ¾ N. | " | 3 | | | 30-01 | 72 | 69 | 69 | | " | " | 2 | " |
| 11 | 3 | 4 | 298. 5 | E. ½ N. | " | 3 | | 1 | 30-01 | 73 | 69 | 69 | 69 | " | " | 3 | " |
| Noon. | 4 | 6 | 302. 2 | " | " | 3 | | ½ | 30-01 | 73 | 70 | 70 | 69 | " | cir. cum. | 3 | " |

Course and distance made good since preceding noon by observations, E. 8° S. 102 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 35° 30' 51"
- Longitude by D. R. W. 48° 16' 47"
- Latitude by observations of ⊙ S. 35° 29' 10"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 47° 51' 06"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 8 tenths per hour, setting to the E. 5° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " No obs ° ' "

Water expended during the preceding 24 hours, 283 gallons.

Water distilled during the preceding 24 hours, 1289 "

Water remaining on hand fit for use at Noon, 3000 "

Coal consumed during the preceding 24 hours, 1 tons 480 lbs.

Coal remaining on hand at Noon, 172 " 1860"

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 6 | 306. 0 | E. NE. ¾ E. | ~~North.~~ | 3 | | ½ | 30-01 | 74 | 71 | 70 | 70 | b.cum. | cir.cum. | 2 | S. |
| 2 | 3 | 4 | 309. 8 | " | " | 3 | | ½ | 30-01 | 74 | 72 | 70 | 69 | b.c. | " | 3 | " |
| 3 | 2 | 6 | 312. 2 | " | " | 2 | | ¾ | 30-02 | 74 | 72 | 70 | 69 | " | " | 3 | " |
| 4 | 2 | 2 | 314. 0 | " | " | 2 | | 1 | 30-02 | 74 | 72 | 70 | 69 | b.c. | " | 4 | " |
| 5 | 2 | 2 | 315. 0 | " | " | 1 | | 1 | 29-99 | 75 | 71 | 70 | 69 | " | " | 5 | " |
| 6 | 2 | 0 | 315. 5 | E ½ N. | " | 1 | | 1 | 29-99 | 74 | 71 | 70 | 69 | " | " | 5 | " |
| 7 | 1 | 0 | 315. 5 | East. | " | 1 | | 1 | 30-00 | 76 | 71 | 70 | 69 | " | " | 5 | " |
| 8 | 0 | 5 | — | " | " | 1 | | 1 | 30-04 | 78 | 71 | 70 | 69 | " | " | 2 | " |
| 9 | 0 | 5 | — | E & E. | Calm | 0 | | | 30-05 | 79 | 72 | 70 | 69 | b.cu.l. | " | 3 | " |
| 10 | 0 | 5 | — | " | " | 0 | | | 30-06 | 78 | 72 | 70 | 69 | " | " | 3 | " |
| 11 | 3 | 0 | 316. 2 | N.E. ½ E | S.E. | 3-6 | | | 30-06 | 73 | 70 | 69 | 69 | o.cgd. | rain | 0 | |
| Mid. | 5 | 0 | 321. 2 | " | " | 5-6 | | | 30-05 | 74 | 68 | 68 | 69 | o.cd. | " | 0 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday, January 13, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Overcast and drizzling first part, then fair. Light to gentle breeze from N.N.E. Course full and by, up to N.E. ½ E. p.s.s. Took in main and mizzen topmast staysails

F.W. Rayhaven Field.
Ensign U.S.N.

4 to 8 A.M.
Cloudy and misty. Gentle to light breeze from N. by E. Distilling. Course full and by up to N.E. ½ E. Cleaned up decks

W.O. Mulvey
Ensign U.S.N.

8 A.M. to Meridian
Cloudy. Light and gentle breezes from N. by E. Ship under all plain sail to royals, except main-sail. At 9h mustered divisions at quarters. Stopped distilling and hauled fires. Bent main sail and set it. Took in main trysail Navigator set clock ahead 11 minutes. Olsen (C. Top) reported time out. Course full and by, making course from E by N. to E ½ N.

C. McClure
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy: clearing last hour. Gentle to light breeze from North. A few peals of distant thunder in 2d. second and third hours. Steering full and by.

Lieut. U.S.N.

4 to 6 P.M.
Partly cloudy. pleasant weather. hazy along horizon. Very light airs from North. Steering full and by - barely steerage way.

Lieut. U.S.N.

6 to 8 P.M.
Cloudy & pleasant - barometer rising - light airs from North. Hauled in patent log. Took in all fore and aft sail except jib - and square sails except topsails - Clouds rising to S.E.

N.J. Hunker
Lieut. U.S.N.

8 P.M. to Midnight.
Cloudy then overcast. Calm first part, then wind suddenly came out in a squall from S.E. Braced yards around and made sail to topgallant sails except spanker.

F.W. Rayhaven Field.
Ensign U.S.N.

Examined and found to be correct.

H.K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES "Steamer Essex", 3d Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 6. | 327. 3/4 | N.E. 1/2 E | S.E. | 3-4 | | | 30-06 | 73 | 68 | 67 | 68 | o.c.r. | | 0 | W. |
| 2 | 6 | 3 | 334. 0 | " | " | 3-4 | | | 30-04 | 73 | 69 | 68 | 68 | " | " | 0 | " |
| 3 | 6 | 0 | 340-0 | " | " | 3-4 | | | 30-03 | 73 | 69 | 68 | 68 | o.r. | " | 0 | " |
| 4 | 6 | 3 | 346. 1/4 | " | " | 4 | | | 30-03 | 73 | 69 | 68 | 68 | o.c. | " | 0 | " |
| 5 | 6 | 0 | 353. 5 | N.E. 3/4 N. | S.E. by E. | 4 | | | 30-02 | 73 | 68 | 68 | 68 | o.c m | " | 0 | S |
| 6 | 6 | 8 | 360. 3/4 | " | " | 4 | | | 30-04 | 72 | 68 | 67 | 68 | " | " | 0 | " |
| 7 | 6 | 9 | 368. 1/4 | N.N.E. 7/8 E | S.E. by E 1/2 E. | 4 | | | 30-04 | 72 | 68 | 67 | 68 | " | " | 0 | " |
| 8 | 7 | 0 | 375. 8 | N.E. by N. | " | 4 | | | 30-04 | 72 | 68 | 67 | 68 | " | " | 0 | " |
| 9 | 7 | 2 | 383. 1 | N.E. 3/4 N. | E S E | 4 | | 1/4 | 30-05 | 72 | 69 | 68 | 68 | o cr. | " | 0 | m.s. |
| 10 | 6 | 8 | 390. 1 | N.E. by N. | " | 4 | | 1/4 | 30-05 | 72 | 69 | 69 | 69 | o.c. | " | 0 | " |
| 11 | 7 | 2 | 397. 2 | N.N.E. | E by S. | 4 | | 1/4 | 30-06 | 72 | 70 | 70 | 70 | o.c. | " | 0 | " |
| Noon. | 5 | 8 | 403. 0 | N by E 1/2 E. | East | 3 | | 1/4 | 30-05 | 73 | 71 | 70 | 70 | bc | cumulus | 1 | " |

Course and distance made good since preceding noon by observations, N.E. by E. 93 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 34° 23' 58"
- Longitude by D. R. W. 46° 17' 00"
- Latitude by observations of ⊙ S. 34° 38' 00"
- Longitude by chronometer from Forenoon Observations of ⊙ W ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 233 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2767 "

Coal consumed during the preceding 24 hours, tons 1360 lbs.

Coal remaining on hand at Noon, 172 " 500 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 0 | 408. 0 | N. by E 1/2 E. | East. | 4 | | 1/2 | 30-05 | 74 | 71 | 70 | 70 | bc | cir. str. | 2 | m. |
| 2 | 4 | 0 | 412. 2 | " | " | 4 | | 1/2 | 30-05 | 75 | 72 | 71 | 70 | " | cir. cumu | 4 | " |
| 3 | 3 | 5 | 415. 0 | North. | N.E. | 3 | | 1/2 | 30-05 | 75 | 72 | 71 | 70 | " | " | 4 | " |
| 4 | 3 | 4 | 418. 5 | N by W 1/4 W. | N.E. by E. | 3 | | 1/2 | 30-04 | 76 | 72 | 71 | 70 | " | " | 3 | " |
| 5 | 2 | 7 | 421. 25 | S.E. | E.N.E. | 2-3 | | 1/2 | 30-04 | 75 | 72 | 70 | 71 | bcp | cir. cumu. str. | 3 | S |
| 6 | 1 | 0 | —— | S by E. | East. | 2 | | 1 | 30-04 | 75 | 71 | 70 | 71 | bc | cir. cumu. str. | 3 | " |
| 7 | 2 | 0 | 421. 75 | North. | " | 2-3 | | 1/4 | 30-04 | 78 | 71 | 70 | 71 | " | cir. str. | 5 | " |
| 8 | 4 | 0 | 426. 25 | " | E by N. | 3 | | 1/4 | 30-05 | 78 | 71 | 70 | 71 | " | " | 6 | " |
| 9 | 5 | 6 | 431. 8 | " | " | 3 | | 1/4 | 30-07 | 80 | 71 | 70 | 71 | " | " | 8 | " |
| 10 | 4 | 7 | 436. 5 | N. 1/4 W. | " | 3 | | 1/4 | 30-07 | 78 | 71 | 70 | 71 | o.c. m. | " | 0 | " |
| 11 | 5 | 2 | 441. 7 | N 3/4 W. | E. N.E. | 3 | | 1/4 | 30-06 | 75 | 71 | 70 | 71 | bcm. | " | 5 | " |
| Mid. | 5 | 5 | 447. 2 | N by W 1/4 W. | N.E. by E. | 3 | | 1/4 | 30-05 | 74 | 71 | 70 | 71 | " | " | 3 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday, January 14, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast and raining first three hours. Gentle to moderate breeze with rain squalls from S.E.
Patent Log at end of watch 346.25

W.O. Hulme
Ensign U.S.N.

4 to 8 A.M.
Overcast, cloudy and misty. Moderate breezes from S.E. by E. and S.E. by E ½ E. Ship under plain sail to topgallant sails; full and by - Making course from N.E. ¾ N., to N.N.E. ⅞ E.

C. McClone
Ensign U.S.N.

8 A.M. to Meridian.
Generally overcast. Moderate to gentle breeze from E.S.E., to East. Raining first part. Long swell from S.E. At 10m set main topmast staysail. At 10.15 set royals and flying jib.

H. Geiger Lieut Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Generally cloudy, but pleasant. Moderate to gentle breeze from East, hauling to N.E. Steering full and by. Long S.E. by swell and moderate sea.

F. A. Wilcox
Lieut. U.S.N.

4 to 6 P.M.
Cloudy and pleasant - barometer steady - light to gentle breeze from E.N.E and E. At 4.10 wore ship. Shifted foresail. Hauled in patent log reading 422¼ at 5.30.

J. T. Newton
Lieut. U.S.N.
Course N.E. ½ E
Put over patent log
W. Dyman Todd
Ensign U.S.N.

6 to 8 P.M.
Fair and pleasant, gentle breeze from E. At 6.10 wore ship to N.d. Full and by. at 7.00

8 P.M. to Midnight.
Cloudy and misty. Gentle breeze from E by N., to N.E. by E. Pat Log at end of watch 447.2

W.O. Hulme
Ensign U.S.N.

Examined and found to be correct.

Le. K. Courts
Lieut. Navigator.

11

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 5 | 2 | 453.2 | N by W. | E. N.E. | 3 | | | 30-02 | 73 | 71 | 70 | 70 | o.c. | cum-nim. | 0 | m |
| 2 | 4 | 4 | 458.5 | N by W. ½ W. | N.E by E. | 3 | | | 30-00 | 73 | 71 | 70 | 70 | o.c.m. | " | 0 | " |
| 3 | 3 | 4 | 462.8 | N. N. W. | N.E. ½ E | 2 | | 1 | 29-98 | 73 | 70 | 70 | 70 | " | " | 0 | " |
| 4 | 4 | 0 | 466.8 | S.E by E. ½ E. | N.E. by N. | 2 | | 1 | 29-98 | 73 | 71 | 71 | 70 | " | " | 0 | " |
| 5 | 4 | 4 | 471.7 | E by S. | N. N.E. | 3 | | ¾ | 29-98 | 74 | 71 | 70 | | " | " | 0 | S |
| 6 | 4 | 4 | 476.5 | E.S.E. ¾ E. | " | 3 | | ¾ | 30-00 | 74 | 70 | 70 | | " | " | 0 | " |
| 7 | 4 | 4 | 480.7 | E by S. | " | 3 | | ¾ | 30-03 | 74 | 71 | 70 | | f.c.m. | cir. cumul. strat. | 1 | " |
| 8 | 5 | 0 | 485.7 | " | " | 3 | | ¾ | 30-03 | 73 | 71 | 70 | | " | " | 1 | " |
| 9 | 5 | 0 | 490.7 | E.S.E. ¾ E | " | 4 | | ¾ | 30-02 | 73 | 71 | 70 | 71 | " | " | 3 | a |
| 10 | 5 | 5 | 496.5 | " | " | 4 | | ¾ | 30-02 | 75 | 71 | 71 | 71 | " | cir. cumul. alt. | 4 | " |
| 11 | 5 | 2 | 502.0 | E by S. | " | 4 | | ¾ | 30-02 | 75 | 73 | 71 | 71 | " | " | 5 | 14 |
| Noon. | 5 | 2 | 507.8 | " | " | 4 | | ¾ | 30-02 | 75 | 73 | 71 | 71 | " | " | 7 | " |

Course and distance made good since preceding noon by observations, N 81° E. 40 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 34 ° 00 ' 56 "
- Longitude by D. R. W. 46 ° 09 ' 03 "
- Latitude by observations of ⊙ S. 34 ° 31 ' 33 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 46 ° 00 ' 34 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, 1 knots 2 tenths per hour, setting to the S. 13° E.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM. " E by S. E. 0° 05 ' 00 "

Water expended during the preceding 24 hours, 228 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2539 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 172 " 100 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 2 | 515.0 | E by S. | N. N.E. | 4 | ¾ | 30-02 | 75 | 73 | 71 | 71 | f.c.m. | cir. cumul. | 4 | W. |
| 2 | 7 | 3 | 522.3 | " | " | 4 | ¾ | 30-01 | 76 | 73 | 71 | 71 | " | " | 1 | " |
| 3 | 6 | 9 | 529.2 | " | " | 4 | ¾ | 30-00 | 75 | 73 | 71 | 71 | " | " | 4 | " |
| 4 | 6 | 8 | 536.4 | " | " | 4 | ¾ | 29-98 | 75 | 72 | 71 | 71 | " | " | 4 | " |
| 5 | 6 | 8 | 543.8 | " | " | 5 | | 29-98 | 75 | 72 | 70 | 70 | " | " | 2 | " |
| 6 | 7 | 4 | 551.5 | " | " | 6 | | 29-96 | 74 | 71 | 70 | 70 | " | " | 2 | " |
| 7 | 8 | 5 | 560.0 | " | " | 6 | ¾ | 29-95 | 75 | 71 | 70 | 70 | " | " | 2 | " |
| 8 | 7 | 3 | 567.3 | " | " | 6 | ¾ | 29-96 | 76 | 71 | 70 | 70 | " | " | 2 | " |
| 9 | 6 | 8 | 575.5 | E ¾ S. | " | 5-6 | ¾ | 29-97 | 76 | 71 | 70 | 70 | " | " | 5 | " |
| 10 | 7 | 2 | 583.5 | E ½ S. | N. by E. | 5-6 | | 29-97 | 78 | 71 | 70 | 70 | " | " | 5 | " |
| 11 | 6 | 4 | 591.0 | E ¼ S. | " | 5-6 | | 29-96 | 77 | 70 | 69 | 70 | " | " | 6 | " |
| Mid. | 6 | 8 | 599.0 | " | " | 5-6 | | 29-95 | 76 | 70 | 69 | 70 | " | " | 6 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday, January 15, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences (Until 4 A.M.

Overcast, and misty last three hours. Light and gentle breezes from E.N.E. to N.E. by N. Ship under all plain sail, full and by, making course N. by W., to N.N.W. first three hours. At 3a.m. wore ship and stood off on port tack, full and by making course S.E. by E.½E.

C.M. Stone
Ensign U.S.N.

4 o'clock to 8 A.M.

Overcast to cloudy. Gentle breeze from N.N.E. Steering full and by. At 7.30 lee fore-topgallant sheet parted. Took in fore topgallant sail and fore royal while rebending the sheet and then set them again.

14. Frigt. Lt. Coleman
Lieut. U.S.N.

8 A.M. to Meridian.

Partly cloudy and hazy. Pleasant weather. Moderate breeze from N.N.E. At 9.30 Commanding Officer inspected the crew and ship. Rove off new topgallant sheets. Patent Log read 507.8 at Meridian. M. Kinsler, U.S. Reported expiration of his term of enlistment.

H. H. Wilcox
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant - barometer falling slowly. Moderate breeze from N.N.E. Took in flying jib. Got preventer back-stay on on fore topgallant mast to relieve strain caused by flying jib.

J. T. Newton
Lieut. U.S.N.

4 to 6 P.M.

Fair and pleasant - stiff to fresh breeze from N.N.E. Course N.E.½E. Full and by.

W. R. Grassy Field.
Ensign U.S.N.

6 to 8 P.M.

Cloudy and misty. Fresh breeze from N.N.E. At 7.40 called all hands and took single reef in the topsails and set topgallant sails. Pat. Log at end of watch 567.3

W. O. Hulme
Ensign U.S.N.

8 P.M. to Midnight

Cloudy and misty. Stiff to fresh breezes from N.N.E, and N.E. Ship under single reefed topsails, topgallant sails and courses; jib and fore topmast staysail and spanker. Full and by making course from E 3/4 S, to E ¼ S. Took in spanker

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 2 | 606.2 | E ¼ S. | N.N.E. | 5 | | ½ | 29-93 | 75 | 70 | 69 | 70 | h.cw. | cir. cumm. | 9 | |
| 2 | 7 | 0 | 613.3 | East. | " | 5 | | ½ | 29-91 | 75 | 70 | 69 | 70 | " | " | 8 | |
| 3 | 7 | 0 | 620.6 | E ¼ N. | N by E. | 5 | | ½ | 29-90 | 74 | 70 | 69 | 70 | " | " | 2 | |
| 4 | 7 | 2 | 627.8 | " | " | 5 | | ½ | 29-90 | 74 | 70 | 69 | 70 | " | " | 2 | |
| 5 | 7 | 0 | 636.0 | " | " | 5 | | ½ | 29-90 | 74 | 70 | 69 | 69 | h.cm. | cir. cumm. str. | 1 | m |
| 6 | 7 | 0 | 642.7 | E ½ N | North. | 5 | | ½ | 29-91 | 72 | 70 | 69 | 69 | o.c.m. | " | 0 | " |
| 7 | 7 | 2 | 650.5 | " | " | 5 | | ½ | 29-92 | 73 | 71 | 70 | 69 | h.cm. | " | 2 | " |
| 8 | 7 | 6 | 658.5 | " | " | 5 | | ½ | 29-92 | 73 | 71 | 70 | 69 | " | " | 4 | " |
| 9 | 7 | 5 | 666.0 | E.N.E ½ E. | N by W. | 5 | | ¾ | 29-92 | 73 | 71 | 70 | 69 | " | " | 4 | " |
| 10 | 6 | 0 | 672.0 | " | " | 5 | | ¾ | 29-93 | 73 | 70 | 70 | 69 | " | " | 4 | " |
| 11 | 7 | 8 | 679.8 | E N.E | N by W | 5 | | ¾ | 29-94 | 74 | 71 | 70 | | " | " | 4 | " |
| Noon. | 5 | 7 | 685.5 | E by N. | North. | 5 | | ¾ | 29-94 | 75 | 72 | 70 | | " | " | 4 | " |

Course and distance made good since preceding noon by observations, E 7° S. 192 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 34 ° 55 ' 27 "
- Longitude by D. R. W. 42 ° 29 ' 08 "
- Latitude by observations of ⊙ S. 34 ° 55 ' 39 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 42 ° 08 ' 21 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 7 tenths per hour, setting to the E 1° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at . " ° ' "

Variation of the Compass by Azimuth ⊙ observed at "No. obs. ° ' "

Water expended during the preceding 24 hours, 225.5 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2313.5 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 171 " 1940 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8 | 0 | 693.5 | East | N. by E. | 5 | ¼ | 29-90 | 75 | 71 | 70 | 69 | h.cm. str. | 4 | m. |
| 2 | 7 | 8 | 701.5 | E ¼ N. | " | 5 | ¼ | 29-89 | 75 | 71 | 69 | 69 | " | 4 | " |
| 3 | 7 | 8 | 709.5 | E ½ N. | North. | 5 | ¼ | 29-89 | 75 | 70 | 69 | 69 | " | 3 | " |
| 4 | 7 | 2 | 717.1 | E ¾ N. | " | 5 | ¼ | 29-89 | 75 | 70 | 69 | 69 | " | 1 | " |
| 5 | 7 | 2 | 724.6 | E ¼ N. | " | 4 | ¾ | 29-89 | 75 | 70 | 69 | 69 | o.cm. | 0 | " |
| 6 | 7 | 0 | 731.9 | " | " | 4 | 1 | 29-91 | 75 | 70 | 69 | 69 | " | 0 | " |
| 7 | 7 | 2 | 739.1 | East. | N by E | 5 | ¼ | 29-92 | 77 | 70 | 69 | 69 | " | 0 | " |
| 8 | 7 | 6 | 746.4 | E ¼ N | " | 5 | | 29-93 | 77 | 70 | 69 | 69 | " | 0 | " |
| 9 | 7 | 0 | 753.5 | " | " | 5-3 | ½ | 29-94 | 78 | 71 | 69 | 69 | " | 0 | " |
| 10 | 6 | 8 | 760.1 | " | " | 5-3 | ½ | 29-94 | 78 | 70 | 69 | 69 | o.c.g.d | 0 | " |
| 11 | 6 | 6 | 767.0 | " | " | 5-3 | ½ | 29-94 | 76 | 69 | 68 | 69 | o.c.g.p. | 0 | " |
| Mid. | 7 | 2 | 773.9 | " | " | 6-3 | ½ | 29-94 | 75 | 70 | 69 | 69 | " | 0 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Monday, January 16, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy. Heavy dew. Stiff breeze from N.N.E. to N by E. Steering full and by.

Geo. Tuttle Holman
Lieut. U.S.N.

4 to 8 A.M.

Cloudy pleasant weather. Stiff breeze from N by E, to North. Misty along horizon. Moderate sea. At daylight shook reef out of topsails. Steering full and by. Patent Log 658.5 at 8 A.M.

F. H. Irving
Lieut. U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant. Fresh breeze from N by W. & N. Course full and by. At 9.30 quarters. Shifted main topgallant sail. Fred. Smith Capt Top reported expiration of term of enlistment. At 11 set royals and flying jib. About 12 m flying jib-boom carried away near the heel. Took in royals. Rove off new wheel-ropes.

H. J. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Fair then cloudy. Stiff breeze from N. by E. Course N.E. Steering full and by; plain sail to topgallant sails except spanker. The Commanding Officer adjudged the following punishment, viz; Neal F. Cabin Cook careless in performance of duty On Quarter Deck, 1 mid watch.

W. R. Mason Tilly
Ensign U.S.N.

4 to 6 P.M.

Cloudy and misty. Moderate North breeze. Rigged out flying jib-boom. Patent Log at end of watch 731.9.

W. O. Bulmer
Ensign U.S.N.

6 to 8 P.M.

Overcast - cloudy and misty. Stiff breezes from N by E. Full and by making course East and E ¼ N. Bent flying jib. Ship under plain sail to topgallant sails.

C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight.

Overcast. Stiff to fresh breeze from N. by E, with frequent passing showers of rain. The wind lulling in force to gentle breeze during each shower. Steering full and by.

Geo. Tuttle Holman
Lieut. U.S.N.

Examined and found to be correct.

H. H. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 8 | 0 | 781.2 | E. ¾ N. | North. | 5-6 | | ½ | 29-92 | 75 | 68 | 67 | 69 | o.c.q.R. | nim. | 0 | m |
| 2 | 7 | 2 | 788.5 | E.N.E. ¾ E | " | 3-5 | | ½ | 29-91 | 75 | 69 | 68 | 69 | " | " | 0 | " |
| 3 | 7 | 0 | 795.5 | E by N. | " | 5 | | ½ | 29-89 | 75 | 69 | 69 | 69 | " | " | 0 | " |
| 4 | 7 | 2 | 802.7 | " | " | 6 | | ½ | 29-90 | 74 | 69 | 69 | 69 | " | " | 0 | " |
| 5 | 7 | 8 | 810.5 | E ¾ N. | " | 5-6 | | ¾ | 29-91 | 74 | 70 | 69 | 69 | o c m | " | 0 | " |
| 6 | 6 | 5 | 817.0 | E.N.E. ¾ E. | " | 5-6 | | ¾ | 29-92 | 72 | 70 | 69 | 69 | " | " | 0 | " |
| 7 | 6 | 2 | 823.2 | E N.E. ½ E | " | 5-6 | | ¾ | 29-93 | 72 | 70 | 69 | 69 | " | " | 0 | " |
| 8 | 6 | 6 | 829-8 | " | " | 5-7 | | ¾ | 29-95 | 72 | 70 | 69 | 69 | o.c.q.R | " | 0 | R |
| 9 | 7 | 0 | 837.2 | " | " | 5-7 | | ¾ | 29-94 | 72 | 70 | 69 | 69 | " | " | 0 | " |
| 10 | 5 | 6 | 842.8 | " | " | 5-7 | | ¾ | 29-95 | 73 | 70 | 69 | 69 | " | " | 0 | " |
| 11 | 6 | 2 | 848.8 | E by N. | " | 5-7 | | ¾ | 29-95 | 73 | 70 | 69 | 69 | o.c.q. | " | 0 | " |
| Noon. | 6 | 4 | 854.0 | " | " | 5-7 | | ¾ | 29-96 | 73 | 71 | 69 | 69 | " | " | 0 | " |

Course and distance made good since preceding noon by observations, E 5° N. 168 knots tenths.

Position at Noon:
- Latitude by D. R. S. 34 ° 41 ′ 45 ″
- Longitude by D. R. W. 38 ° 44 ′ 45 ″
- Latitude by observations of ⊙ No. obs. ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ No. obs. ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, . knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 225½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2088 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 171 " 1540 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 0 | 860.0 | E.N.E. ¾ E. | North. | 5-7 | | 1 | 29-95 | 75 | 70 | 70 | 69 | o.c.m. | nim. | 0 | R |
| 2 | 6 | 2 | 866.2 | " | " | 5-7 | | 1 | 29-95 | 75 | 70 | 70 | 69 | o.c.q.m. | " | 0 | " |
| 3 | 6 | 0 | 872.0 | E.N.E. ½ E. | " | 5-7 | | 1 | 29-94 | 75 | 70 | 69 | 69 | " | " | 0 | " |
| 4 | 6 | 0 | 878.5 | " | N. by W. | 5-7 | | 1 | 29-94 | 74 | 70 | 69 | 69 | " | " | 0 | " |
| 5 | 6 | 5 | 885.0 | " | " | 5-7 | | 1 | 29-93 | 73 | 70 | 69 | 69 | o.c.q.R | " | 0 | " |
| 6 | 2 | 6 | 887.8 | E N.E. ¼ E. | N. N. W. | 4-6 | | 2½ | 29-94 | 73 | 70 | 69 | 69 | " | " | 0 | " |
| 7 | 3 | 2 | 891.2 | " | " | 5-6 | | 1½ | 29-94 | 75 | 70 | 69 | 69 | " | " | 0 | " |
| 8 | 4 | 0 | 895.4 | " | " | 4-5 | | 1½ | 29-97 | 75 | 70 | 69 | | " | " | 0 | " |
| 9 | 4 | 5 | 899.3 | " | " | 4-5 | | 1½ | 29-99 | 75 | 69 | 69 | | " | " | 0 | " |
| 10 | 4 | 5 | 903.8 | E.N.E. | " | 4-5 | | 1½ | 29-98 | 75 | 69 | 68 | | " | " | 0 | " |
| 11 | 5 | 0 | 907.8 | N.E. by E. | " | 4-5 | | 1 | 29-99 | 75 | 70 | 69 | | " | " | 0 | " |
| Mid. | 6 | 0 | 911.9 | " | " | 4-6 | | 1 | 29-99 | 73 | 70 | 69 | | " | " | 0 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday January 17, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast, squally and raining. Stiff to strong breeze from North with frequent moderate squalls, moderate sea. Steering full and by. Plain sail to topgallant sails except spanker and single reef in main sail.

F. H. Wiley
Lieut. U.S.N.

4 to 8 A.M.
Overcast. barometer rising - fresh to very fresh breeze from N. frequent moderate squalls. Took in topgallant sails at 5 30. Set spanker. At end of watch wind and sea increasing.

J. T. Hunter
Lieut. U.S.N.

8 A.M. to Meridian.
Overcast and raining. Stiff breeze to strong breeze from North. Took two single reefs in topsails, and hauled down jib. Course N.E. Steering full and by. Took in spanker. Mustered at quarters. Rough sea.

W. H. Mason Field.
Ensign U.S.N.

Meridian to 4 P.M.
Overcast, misty and squally. Fresh to very strong breeze from the North to N. by W. Full and by. Finished bending storm sails. Pat. Log at end of watch 878.5.

W. D. Hulme
Ensign U.S.N.

4 to 6 P.M.
Overcast; cloudy and squally; passing rain squalls. Stiff to strong breezes from N. by W. and N.N.W. Full and by up to five P.M. when clewed down topsails and hauled up courses, took single reef in foresail and set foresail and topsails; furled mainsail and let her go full and by, making course E.N.E. ½ E., and E.N.E. ¼ E. Rough sea. Ship rolling deeply but easily.

C. W. Dow
Ensign U.S.N.

6 o'clock to 8 P.M.
Overcast. Raining. Fresh to stiff breeze with stiff to moderate squalls from N. N.W. Bent and set the mizzen storm staysail and the storm mizzen. Steering full and by.

Engr. L. W. Holman
Lieut. U.S.N.

8 P.M. to Midnight.
Overcast, cloudy, raining and squally. Moderate breeze from N.N.W. with frequent moderate wind and rain squalls. Shook reef out of foresail and set reefed mainsail at 10h. Steering full and by.

F. H. Wiley
Lieut. U.S.N.

Examined and found to be correct.

H. K. Benson
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 0 | 914.0 | N.E. by E | N.N.W. | 2 | | | 29-99 | 72 | 68 | 67 | | o.c. | cum. nim | 0 | M |
| 2 | 0 | 5 | | N.E. by N. | N.W. | 2 | | | 30-00 | 72 | 68 | 67 | | " | " | 0 | " |
| 3 | 1 | 0 | | " | " | 2 | | | 30-00 | 72 | 68 | 67 | | o.c.p | " | 0 | " |
| 4 | 5 | 0 | 916.0 | " | " | 5-6 | | | 30-01 | 72 | 69 | 68 | | o.c.g.r. | " | 0 | " |
| 5 | 4 | 2 | 920.5 | E.N.E. | N.N.W. | 3-5 | | ½ | 30-02 | 72 | 69 | 68 | | o.c.g.d. | " | 0 | " |
| 6 | 5 | 0 | 925.5 | E. by N. | North. | 3-4 | | ½ | 30-04 | 72 | 70 | 69 | 69 | " | " | 0 | S |
| 7 | 6 | 9 | 932.7 | East. | N by E | 4 | | ½ | 30-05 | 72 | 69 | 69 | 69 | o.c.d | " | 0 | " |
| 8 | 6 | 5 | 939.2 | " | " | 4 | | ½ | 30-07 | 72 | 69 | 69 | 69 | o.c.r. | " | 0 | " |
| 9 | 4 | 7 | 945.0 | E ¼ S. | " | 3 | | ¼ | 30-10 | 72 | 70 | 69 | 69 | " | " | 0 | " |
| 10 | 4 | 0 | 949.7 | " | " | 3 | | ¼ | 30-10 | 72 | 70 | 70 | 69 | o.d.q. | " | 0 | " |
| 11 | 4 | 8 | 954.3 | " | " | 3 | | 0 | 30-11 | 72 | 70 | 70 | 69 | o.c.r | " | 0 | " |
| Noon. | 4 | 0 | 958.3 | E ½ S. | " | 3 | | ¼ | 30-11 | 72 | 70 | 70 | 69 | " | " | 0 | " |

Course and distance made good since preceding noon by observations, E 13° N. 109 knots tenths.

Position at Noon:
- Latitude by D. R. S. 34 ° 17 ' 33 "
- Longitude by D. R. W 36 ° 26 ' 51 "
- Latitude by observations of ⊙ No. obs. ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ No. obs. ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 225½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1862½ "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 170 " 2180 "

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | | |
| 1 | 4 | 3 | 962. 6 | E ½ S | N.E. | 3 | | ¼ | 30-11 | 72 | 70 | 70 | 69 | o.p.d. | nim. | 0 | M |
| 2 | 2 | 7 2 | 963. 3 965. 5 | N.E. ½ N | " | 3 | | | 30-12 | 74 | 70 | 70 | 69 | " | " | 0 | " |
| 3 | 6 | 4 | 971. 2 | " | N.N.W. | 3 | | | 30-16 | 75 | 69 | 68 | 69 | o.c.r. | " | 0 | " |
| 4 | 5 | 2 | 977.5 | " | North. | 3 | | | 30-15 | 74 | 71 | 70 | 69 | " | " | 0 | " |
| 5 | 5 | 2 | 982.5 | " | " | 3 | | | 30-11 | 75 | 72 | 70 | 69 | " | " | 0 | " |
| 6 | 5 | 2 | 987.8 | " | " | 3 | | | 30-11 | 74 | 71 | 69 | 69 | " | " | 0 | " |
| 7 | 5 | 0 | 992.8 | " | " | 3 | | | 30-10 | 76 | 71 | 69 | 69 | " | " | 0 | " |
| 8 | 4 | 8 | 997.8 | " | " | 4 | | | 30-10 | 74 | 70 | 69 | 69 | " | " | 0 | " |
| 9 | 3 | 4 | 1001.2 | " | N. by E | 3-5 | | | 30-11 | 77 | 70 | 69 | 69 | o.c.g.r. | " | 0 | " |
| 10 | 3 | 0 | 1004.2 | " | N.E. | 4 | | | 30-10 | 78 | 71 | 70 | 69 | o.c.r. | " | 0 | " |
| 11 | 3 | 8 | 1008.0 | " | " | 4-5 | | | 30-07 | 76 | 71 | 70 | 69 | " | " | 0 | " |
| Mid. | 3 | 0 | 1011.0 | " | N. by E. | 5 | | | 30-07 | 74 | 71 | 70 | 69 | " | " | 0 | " |

under the command of W. H. Mead, Commander, U. S. Navy,

Wednesday, January 18, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 P.M.

Overcast. barometer steady - wind light except for moderate squalls between 3 and 4 - Turned reefs out of topsails. Took in storm mizzen and storm mizzen staysail - Ship under topsails - foresail - single reefed mainsail - foretop staysail - at end of watch.

J. T. Newton.
Lieut. U.S.N.

4 to 8 A.M.

Overcast - gentle to fresh breeze from North - to N by E A heavy squall from North about 5 - Set topgallant sails and royals, and jib. Course N.E. by N. Steering full, and by. Sea smooth with heavy swell.

W. Ray Mason Todd
Ensign U.S.N.

8 A.M. to Meridian.

Overcast and raining - Gentle breeze from N by E. At 9.25 started fires in two boilers. Furled mainsail and put on main yard cover; hauled out spanker. At 10m, shortened sail to squall which passed ahead when made sail again. Pat Log at end of watch 958. 3.

W. O. Hulme
Ensign U.S.N.

Meridian to 4 P.M.

Overcast - Cloudy - and raining - Gentle breezes from N by E. to N.N.W. Took in royals and topgallant sails and sent down light yards. Furled sail and went ahead one bell at 1.30, immediately after went ahead full speed with two boilers. set fore and aft sail at 2.15, except flying jib. At 3.30 took in fore and aft sail. Average Steam 68. Average revolutions 72.

D. M. Stone
Ensign U.S.N.

4 o'clock to 6 P.M.

Overcast. Raining. Gentle breeze from North - Steering a course N.E. ½ N. Av. Steam 68.5 Revs. 37.7

Geo. F. Holman
Lieut. U.S.N.

6 to 8 P.M.

Cloudy and raining - Gentle to moderate breeze from North. Made and took in fore and aft sail - Steam 67.7 Revolutions 378.

F. Harris
Lieut, U.S.N.

8 P.M. to Midnight.

Overcast - passing showers - gentle to fresh breeze from N by E, and N.E. Set fore and aft sail at 8.00 Took it in again at 8.22. Average steam 68.5. Average revolutions 33.3

T. Mack
Lieut. U.S.N.

Examined and found to be correct.

le. K. Lewis
Lieut. - Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 4 | 6 | 1015.5 | N.E.½N. | N. by E. | 4 | | | 30.03 | 73 | 71 | 70 | 70 | o.c.N. | nim. | 0 | m |
| 2 | 3 | 0 | 1018.2 | " | North. | 4 | | | 30.01 | 73 | 71 | 70 | 70 | " | " | 0 | " |
| 3 | 4 | 5 | 1022.6 | N.E.½E. | " | 5 | | | 29.99 | 73 | 71 | 70 | 70 | " | " | 0 | " |
| 4 | 4 | 9 | 1027.5 | " | " | 5 | | | 29.99 | 73 | 71 | 70 | 70 | " | " | 0 | " |
| 5 | 5 | 0 | 1032.2 | N.E.¼E. | " | 4-7 | | | 29.99 | 72 | 71 | 70 | 70 | o.c.g.k. | " | 0 | " |
| 6 | 5 | 6 | 1038.0 | " | " | 4-7 | | | 29.99 | 72 | 71 | 70 | 70 | " | " | 0 | " |
| 7 | 5 | 5 | 1043.5 | " | " | 4-7 | | | 29.99 | 72 | 71 | 70 | 70 | " | " | 0 | " |
| 8 | 5 | 3 | 1049.2 | " | " | 4-7 | | | 29.99 | 72 | 71 | 70 | 70 | " | " | 0 | " |
| 9 | 5 | 0 | 1054.5 | " | N. by W. | 4-7 | | | 30.01 | 72 | 70 | 69 | 70 | " | " | 0 | " |
| 10 | 4 | 4 | 1058.8 | N.E. ½N. | N.N.W. | 4-7 | | | 30.00 | 73 | 70 | 69 | 70 | " | " | 0 | " |
| 11 | 5 | 2 | 1064.5 | " | " | 4-7 | | | 30.05 | 76 | 70 | 69 | 70 | " | " | 0 | " |
| Noon. | 6 | 4 | 1070.3 | " | " | 4-7 | | | 30.04 | 77 | 70 | 69 | 70 | " | " | 0 | " |

Course and distance made good since preceding noon by observations, N. 38° E. 109. knots. tenths.

Position at Noon:
- Latitude by D. R. — S. 32 ° 51 ' 21 "
- Longitude by D. R. — W. 35 ° 06 ' 57 "
- Latitude by observations of ⊙ — No. obs. ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — No. obs. ° ' "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 2732 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1589 "

Coal consumed during the preceding 24 hours, 7 tons 1070 lbs.

Coal remaining on hand at Noon, 163 " 1110 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 0 | 1077.0 | N.E.½N. | N.N.W. | 4-6 | | | 30.02 | 75 | 71 | 70 | 69 | o.c.g.k. | nim. | 0 | m. |
| 2 | 6 | 0 | 1083.3 | " | " | 4-6 | | | 30.02 | 74 | 70 | 70 | 69 | " | " | 0 | " |
| 3 | 6 | 0 | 1089.7 | " | " | 4-6 | | | 30.01 | 73 | 71 | 70 | 69 | " | " | 0 | " |
| 4 | 6 | 1 | 1095.9 | " | " | 5-7 | | | 30.00 | 73 | 71 | 70 | 69 | " | " | 0 | " |
| 5 | 6 | 0 | 1101.9 | " | " | 5-7 | | | 30.00 | 73 | 71 | 70 | 69 | " | " | 0 | " |
| 6 | 6 | 0 | 1108.3 | " | " | 5-7 | | | 29.99 | 72 | 71 | 70 | 69 | " | " | 0 | " |
| 7 | 6 | 9 | 1115.2 | " | " | 6 | | | 30.00 | 73 | 71 | 70 | 69 | " | " | 0 | " |
| 8 | 7 | 0 | 1122.2 | " | " | 6 | | | 30.02 | 74 | 71 | 70 | 69 | o.c.g. | " | 0 | " |
| 9 | 7 | 0 | 1129.1 | " | N.W. | 5-7 | | | 30.02 | 77 | 71 | 70 | 69 | " | " | 0 | " |
| 10 | 7 | 2 | 1136.5 | " | " | 5-7 | | | 30.04 | 77 | 72 | 71 | 69 | " | " | 0 | " |
| 11 | 7 | 0 | 1143.2 | " | " | 5-7 | | | 30.03 | 76 | 72 | 71 | 69 | " | " | 0 | " |
| Mid. | 7 | 6 | 1151.0 | " | " | 5-7 | | | 30.02 | 75 | 71 | 70 | 69 | " | " | 0 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday, January 19, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast and raining. Moderate to stiff breeze from N. by E. and N. Course N.E. ½ N. At 2ᵒᵒ let her go off to N.E. ½ E. and set fore and aft sail. Long swell. Average steam 68. Average revolutions. 3:6.

W. P. Mason Mid.
Ensign U.S.N.

4 to 8 A.M.
Overcast raining and squally. Moderate to very fresh from the North to N. by W. Revolutions 36.2; Steam 68. Patent Log at end of watch 70.3

M. O. Mahan
Ensign U.S.N.

8 A.M. to Meridian.
Overcast cloudy and raining - squally - Moderate to fresh breezes from N by W and N.N.W. Mustered divisions at quarters at 9.30. Set foresail; at end of watch ship under fore and aft sail and foresail, making course N.E. ½ N. Steaming with two boilers - Average steam 69. Average revolutions 36

Custine
Ensign U.S.N.

Meridian to 4 P.M.
Overcast. Raining - Moderate to stiff breeze with fresh to very fresh squalls from N.N.W. Steering a course N.E. ½ N. At 2.20 hauled down main topmast - staysail. Average steam 69. Revolutions 40.4.

Geo. H. Coffman
Lieut. U.S.N.

4 to 6 P.M.
Cloudy - raining and squally - Stiff breeze from N.N.W. with moderate squalls. Double-reefed and set topsails. Steam. 69. Revolutions 38.

W. H. Reeves
Lieut. U.S.N.

6 to 8 P.M.
Overcast - barometer rising slowly - fresh breeze from N.N.W. Crossed topgallant yards. Moderate sea - Average steam pressure 67. Revolutions 40.

J. J. Hunter
Lieut. U.S.N.

8 P.M. to Midnight.
Overcast - cloudy and squally, stiff to very fresh breeze from N.W. Course N.E. ½ N. Set main topmast staysail at 10ᵒᵒ. Moderate sea and swell. Average steam 70. Revolutions - 38.9.

W. P. Mason Mid.
Ensign U.S.N.

Examined and found to be correct.

L. R. Lewis
Lieut. Navigator.

LOG of the United States Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 0 | 1158.5 | N.E. ½ N. | N.W. | 4-6 | | | 30-01 | 74 | 72 | 71 | 69 | o.c.q.d. | nims. | 0 | M. |
| 2 | 7 | 8 | 1166.5 | " | " | 4-6 | | | 30-00 | 74 | 72 | 71 | 69 | " | " | 0 | " |
| 3 | 8 | 0 | 1174.5 | " | " | 4-6 | | | 30-00 | 74 | 72 | 71 | 69 | " | " | 0 | " |
| 4 | 8 | 5 | 1183.0 | " | " | 4-6 | | | 30-00 | 74 | 72 | 71 | 69 | " | " | 0 | " |
| 5 | 7 | 5 | 1190.0 | " | " | 3-5 | | | 30-00 | 73 | 72 | 71 | 69 | o.c.q.m. | " | 0 | " |
| 6 | 8 | 4 | 1198.2 | " | " | 3-5 | | | 30-00 | 74 | 72 | 71 | 69 | " | " | 0 | " |
| 7 | 8 | 4 | 1207.4 | " | " | 3-5 | | | 30-04 | 73 | 72 | 71 | 69 | " | " | 0 | " |
| 8 | 8 | 7 | 1216.3 | " | " | 3-5 | | | 30-05 | 74 | 72 | 71 | 69 | " | " | 0 | " |
| 9 | 8 | 0 | 1224.6 | " | " | 3-5 | | ¼ | 30-07 | 74 | 73 | 71 | 69 | " | " | 0 | " |
| 10 | 7 | 0 | 1231.0 | " | " | 4 | | ¼ | 30-08 | 74 | 72 | 71 | 69 | o.c.m. | " | 0 | " |
| 11 | 7 | 2 | 1238.2 | " | " | 4 | | ¼ | 30-09 | 74 | 72 | 71 | 69 | " | cum.nim | 0 | " |
| Noon. | 6 | 0 | 1244.2 | " | " | 4-3 | | ¼ | 30-09 | 74 | 72 | 71 | 69 | " | " | 0 | " |

Course and distance made good since preceding noon by observations, N.E. 197 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 30 ° 21 ' 59 "
- Longitude by D. R. — W. 33 ° 21 ' 45 "
- Latitude by observations of ⊙ — S 30 ° 31 ' 49 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 32 ° 23 ' 42 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 7 tenths per hour, setting to the E, 8° S {from 8 A.M. 16th

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — " No. obs. — ° ' "

Water expended during the preceding 24 hours, 276 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1313 "

Coal consumed during the preceding 24 hours, 6 tons 1585 lbs.

Coal remaining on hand at Noon, 156 " 1765 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 8 | 1249.5 | N.E. ½ N. | N.W. | 3 | ¼ | 30-10 | 74 | 71 | 69 | 69 | o.c. | cum.nim. | 0 | M. |
| 2 | 5 | 5 | 1255.0 | " | " | 3 | ¼ | 30-10 | 74 | 71 | 69 | 69 | " | " | 0 | " |
| 3 | 5 | 6 | 1260.5 | " | " | 3 | ¼ | 30-09 | 74 | 71 | 69 | 69 | o.c.p. | " | 0 | " |
| 4 | 5 | 0 | 1265.2 | " | " | 3 | ¼ | 30-09 | 75 | 71 | 69 | 69 | " | " | 0 | " |
| 5 | 5 | 0 | 1270.2 | " | " | 4 | ¼ | 30-09 | 74 | 72 | 69 | 69 | " | " | 0 | " |
| 6 | 5 | 3 | 1275.5 | " | " | 4 | ¼ | 30-10 | 74 | 72 | 69 | 69 | to. | Ci. Cumn. Nim. | 1 | 8 |
| 7 | 5 | 8 | 1281.0 | " | " | 4 | ¼ | 30-12 | 77 | 72 | 69 | 69 | " | " | 1 | " |
| 8 | 5 | 6 | 1286.8 | " | " | 4 | ¼ | 30-14 | 78 | 72 | 69 | 69 | o.c. | " | 0 | " |
| 9 | 4 | 3 | 1291.3 | " | " | 3 | | 30-14 | 78 | 72 | 69 | 69 | " | " | 0 | " |
| 10 | 4 | 3 | 1295.6 | " | " | 3 | | 30-14 | 78 | 72 | 71 | 69 | " | " | 0 | " |
| 11 | 4 | 4 | 1299.8 | " | " | 3 | | 30-14 | 78 | 72 | 72 | 69 | " | " | 0 | " |
| Mid. | 4 | 4 | 1304.0 | " | " | 3 | | 30-13 | 76 | 72 | 72 | 69 | " | " | 0 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday, January 20, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast, drizzling and squally. Moderate to fresh breeze from N.W. Steam 69 lbs. Revolutions 43.5.

W. O. Hulme
Ensign U.S.N.

4 to 8 A.M.
Overcast; cloudy and squally. Gentle to fresh breezes from N.W. Shook one reef out of topsails and set topgallant sails over them. Ship under plain sail to single reefed topsail with topgallant sails and fore and aft sail except flying jib and mizzen topmast staysail. Steaming with two boilers. Average steam 69. Average revolutions 44.

C. M. Stone
Ensign U.S.N.

8 A.M to Meridian.
Overcast. Hazy. Stiff to gentle breeze from N.W. Steering a course N.E. ½ N. At 8^30 shook reefs out of topsails. At 9.^05 stopped steaming and banked fires. Commenced distilling. Uncoupled the propeller. At 9^20 hauled up the spanker. At 9^30 mustered at quarters. At 10^00 hauled fires under C, boiler. At 10^20 crossed royal yards.

H George F. W. Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Overcast and cloudy with occasional passing showers of drizzling rain. Gentle breeze from N.W. Set main royal at 1.^10; the bolt rope, on foot of fore royal parted and split the sail; Sent down the yard, bent new sail, crossed the yard and set the sail. Distilling.

W. A. Wilder
Lieut. U.S.N.

4 to 6 P.M
Overcast or cloudy. barometer steady. moderate breeze from N.W. Distilling.

W. J. Newton
Lieut. U.S.N.

6 to 8 P.M.
Cloudy. Moderate breeze from N.W. Course N.E. ½ N. Distilling.

W. P. Mason Jr.
Ensign U.S.N.

8 P.M. to Midnight.
Overcast. Gentle N.W. breeze. Distilling.

W. O. Hulme
Ensign U.S.N.

Examined and found to be correct.

H. K. Curtis
Lieut. - Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 4 | 4 | 1308.2 | N.E.½N. | N.W. | 2 | | ¼ | 30-14 | 76 | 73 | 72 | 69 | b.c. | cum. nim. | 1 | 8 |
| 2 | 4 | 2 | 1312.8 | " | " | 2 | | ¼ | 30-12 | 76 | 73 | 71 | 69 | " | " | 4 | " |
| 3 | 4 | 2 | 1317.0 | " | " | 2 | | ¼ | 30-12 | 75 | 73 | 71 | 69 | " | " | 4 | " |
| 4 | 4 | 0 | 1321.2 | " | " | 2 | | ¼ | 30-13 | 75 | 72 | 71 | 69 | " | " | 4 | " |
| 5 | 3 | 7 | 1325.0 | " | " | 2 | | ¾ | 30-15 | 75 | 73 | 71 | 69 | " | Cir. Cum. nim. | 3 | " |
| 6 | 3 | 5 | 1328.6 | " | " | 2 | | ¾ | 30-17 | 74 | 73 | 71 | 69 | " | Cir. Cum. Str. | 5 | " |
| 7 | 2 | 9 | 1331.2 | " | " | 2 | | 1 | 30-19 | 74 | 73 | 71 | 69 | " | " | 6 | " |
| 8 | 2 | 2 | 1333.7 | " | " | 2 | | 1 | 30-22 | 76 | 73 | 71 | 70 | " | " | 7 | " |
| 9 | 2 | 0 | 1335.2 | " | " | 2 | | 1 | 30-23 | 75 | 73 | 71 | 70 | " | " | 6 | " |
| 10 | 6 | 5 | 1341.2 | " | " | 2 | | | 30-24 | 75 | 74 | 71 | 70 | " | " | 8 | " |
| 11 | 7 | 4 | 1348.8 | " | " | 2 | | | 30-25 | 75 | 74 | 71 | 70 | " | " | 8 | " |
| Noon. | 6 | 5 | 1355.8 | " | " | 2 | | | 30-25 | 76 | 74 | 71 | 70 | " | " | 8 | " |

Course and distance made good since preceding noon by observations, N 29° E 111 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 28 ° 58' 31 "
- Longitude by D. R. — W. 31 ° 14' 36 "
- Latitude by observations of ⊙ — S 28 ° 54' 13 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 31 ° 21' 51"

Position at 8 a. m.:
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.:
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 3 tenths per hour, setting to the N 34° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM. " N.E. W. 14° 02' 00"

Water expended during the preceding 24 hours, 300 gallons.

Water ~~distilled~~ during the preceding 24 hours, 1900 "

Water remaining on hand fit for use at Noon, 2913 "

Coal consumed during the preceding 24 hours, 3 tons 205 lbs.

Coal remaining on hand at Noon, 153 " 1560 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 6 | 1362.4 | N.E.½N. | N.NW. | 2 | 30-26 | 76 | 76 | 72 | 70 | b.c. | Cir. Cum. | 8 | S.L. |
| 2 | 6 | 9 | 1369.3 | " | N. by W. | 2 | 30-26 | 78 | 76 | 72 | 70 | " | " | 8 | " |
| 3 | 6 | 7 | 1376.0 | " | " | 2 | 30-26 | 79 | 77 | 73 | 70 | " | " | 8 | " |
| 4 | 7 | 0 | 1383.0 | " | " | 1 | 30-25 | 78 | 78 | 73 | 70 | " | " | 8 | " |
| 5 | 7 | 2 | 1390.5 | " | N.E. by N. | 1 | 30-23 | 81 | 78 | 73 | 70 | " | " | 7 | " |
| 6 | 7 | 2 | 1398.2 | " | E. NE. | 2 | 30-23 | 80 | 77 | 73 | 70 | " | " | 7 | " |
| 7 | 6 | 4 | 1404.8 | " | East | 2 | 30-26 | 80 | 77 | 73 | 70 | " | Cum. Nim. | 6 | " |
| 8 | 7 | 4 | 1411.8 | " | N.E. by E. | 1 | 30-28 | 81 | 77 | 73 | 70 | b.c. | | 5 | " |
| 9 | 7 | 0 | 1419.0 | " | E. N.E. | 1 | 30-29 | 81 | 77 | 73 | 69 | b.c. | | 4 | " |
| 10 | 6 | 5 | 1425.5 | " | N.E. | 2 | 30-29 | 81 | 77 | 72 | 69 | b.c. | Cir. Cum. Nim. | 4 | " |
| 11 | 6 | 5 | 1432.0 | " | " | 2 | 30-29 | 79 | 76 | 72 | 69 | b.c. | Cir. Cum. | 5 | " |
| Mid. | 6 | 8 | 1438.8 | " | East | 3 | 30-28 | 78 | 75 | 71 | 69 | " | " | 6 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday, January 21, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced Day until 4 A.M.

Cloudy - Light breezes from N.W. Ship under plain sail to royals except mainsail and flying jib, also fore and aft sail except spanker and mizzen topmast staysail.

C. M. Stone
Ensign U.S.N.

4 o'clock to 8 A.M.

Clearing - Pleasant - Light breeze from N.W. Steering a course N.E. ½ N. At 7½ started fires under C. boiler. Distilling.

Jas. F. W. Halsey
Lieut. U.S.N.

8 A.M. To Meridian

Clear and pleasant - Light breeze from N.W. Smooth sea - At 8⁵⁵ commenced steaming - furled all square-sail except foresail ——, and set flying jib, mizzen topmast staysail and spanker. Shifted topsails. Tried life buoys. By order of Commanding Officer - J. B. Nolan (Private M.C.) was confined in cell, on bread and water for 3 days for neglect of duty. Wm. Sheppard - (Steerage Cook) was given 4 hours extra duty for disobedience of orders - Steam 72 lbs., Revolutions 43.

W. T. Wilson
Lieut. U.S.N.

Meridian to 4 P.M.

Bright and pleasant - barometer steady - wind from N.N.W. and N. by W. - light breeze to light airs - Smooth sea - long well defined swell from S.W. At 3⁵⁵ took in fore and aft sail - Average steam pressure - 72 - Average of revolutions 40.6.

N. T. Manton
Lieut. U.S.N.

4 to 6 P.M.

Fair and pleasant; light airs to light breeze from N.E. by N. and E.N.E. Course N.E. ½ N. Ship under steam alone. Average steam 71, Average revolutions 45.

W. D. Macomb Todd.
Ensign U.S.N.

6 to 8 P.M.

Fair - At 7¹⁰ passing showers and heavy clouds - Light breeze to light airs from the East to N.E. by E. Steam 69 lbs. Average revolutions 40. Patent Log at end of watch 411.8. At 6.³⁰ set fore and aft sail and at 7.³⁰ took it in.

W. A. Haynes
Ensign U.S.N.

8 P.M. to Midnight.

Cloudy, with passing rain showers second hour - Light breezes from N.E. to E. by N. At 11⁰⁰ set fore and aft sail except flying jib. Steaming with two boilers - Average steam 72, Average revolutions 40.

Examined and found to be correct.

C. M. Stone
Ensign U.S.N.

H. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 4 | 1445.6 | N.E.½N. | East | 2 | | | 30-26 | 78 | 75 | 71 | 71 | bc | cumul. Str. | 8 | L.S. |
| 2 | 6 | 7 | 1452.6 | " | " | 2 | | | 30-24 | 77 | 75 | 71 | 72 | " | " | 8 | " |
| 3 | 6 | 5 | 1459.1 | " | E.N.E. | 2 | | | 30-23 | 78 | 76 | 72 | 74 | " | " | 9 | " |
| 4 | 6 | 3 | 1465.4 | " | N.E.byE. | 2 | | | 30-21 | 78 | 76 | 72 | 74 | " | " | 9 | " |
| 5 | 6 | 3 | 1471.7 | " | E.N.E. | 1 | | | 30-23 | 77 | 76 | 73 | 76 | " | " | 8 | " |
| 6 | 6 | 2 | 1478.2 | " | N.E.byE. | 2 | | | 30-26 | 77 | 76 | 73 | 76 | " | " | 7 | " |
| 7 | 6 | 3 | 1484.5 | " | " | 2 | | | 30-26 | 77 | 76 | 73 | 76 | " | cir. cumul. Str. | 5 | " |
| 8 | 6 | 3 | 1491.5 | " | " | 1 | | | 30-26 | 77 | 76 | 72 | 76 | " | " | 9 | " |
| 9 | 6 | 8 | 1498.0 | " | NE | 2 | | | 30-27 | 78 | 77 | 73 | 76 | " | " | 4 | " |
| 10 | 6 | 8 | 1505.0 | " | " | 2 | | | 30-29 | 79 | 79 | 74 | 76 | " | cir. cumul. | 8 | " |
| 11 | 7 | 0 | 1512.0 | " | " | 2 | | | 30-29 | 79 | 79 | 75 | 76 | " | " | 8 | " |
| Noon. | 6 | 5 | 1518.5 | " | " | 2 | | | 30-29 | 80 | 80 | 75 | 76 | " | " | 8 | " |

Course and distance made good since preceding noon by observations, N. 28° E. 166 knots. tenths.

Position at Noon:
- Latitude by D. R. — S. 26 ° 29 ' 13 "
- Longitude by D. R. — W. 30 ° 00 ' 39 "
- Latitude by observations of ⊙ — S. 26 ° 27 ' 38 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 29 ° 55 ' 08 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 2 tenths per hour, setting to the E 19° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " NE. W. 16° 58' "

Water expended during the preceding 24 hours, 282 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2681 "

Coal consumed during the preceding 24 hours, 7 tons 1745 lbs.

Coal remaining on hand at Noon, 145 " 2055 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 6 | 1525.0 | N.E.½N. | N.E. | 2 | 30-28 | 80 | 80 | 75 | 75 | bc. | cir. cumul. Str. | 6 | L. | |
| 2 | 6 | 8 | 1532.0 | " | " | 1 | 30-27 | 80 | 81 | 75 | 75 | " | " | 7 | " | |
| 3 | 7 | 0 | 1539.5 | " | " | 1 | 30-27 | 80 | 81 | 74 | 75 | " | " | 7 | " | |
| 4 | 7 | 0 | 1546.6 | " | " | 1 | 30-26 | 80 | 80 | 73 | 75 | " | " | 7 | " | |
| 5 | 7 | 0 | 1553.9 | " | E.S.E. | 1 | 30-26 | 82 | 80 | 74 | 75 | " | " | 8 | " | |
| 6 | 7 | 0 | 1560.9 | " | " | 1 | 30-27 | 81 | 79 | 74 | 75 | " | " | 8 | " | |
| 7 | 6 | 8 | 1568.0 | " | " | 2 | 30-27 | 82 | 79 | 72 | 75 | " | " | 8 | " | |
| 8 | 6 | 8 | 1575.2 | " | " | 2 | 30-28 | 81 | 78 | 73 | 75 | " | " | 8 | " | |
| 9 | 7 | 2 | 1582.5 | NE. | E. by S. | 2 | 30-30 | 81 | 76 | 71 | 75 | " | " | 9 | " | |
| 10 | 7 | 7 | 1590.5 | " | E.S.E. | 3 | 30-28 | 81 | 76 | 71 | 75 | " | " | 8 | " | |
| 11 | 7 | 6 | 1598.0 | " | " | 3 | 30-27 | 79 | 76 | 71 | 75 | " | " | 8 | " | |
| Mid. | 7 | 4 | 1605.2 | " | " | 3 | 30-26 | 78 | 75 | 71 | 75 | " | " | 8 | " | |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday January 22, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light breeze from East to N.E. by E. Steering a course N.E. ½ N. At 2[h] 5[m] took in fore and aft sail. Average steam 67.5 - Revolutions 40.

Gus. L. Wolleman
Lieut. U. S. N.

4 to 8 A.M.

Clear and pleasant. Light airs to light breeze from E.N.E. and N.E. by E. Under steam alone. Steering N.E. ½ N. Steam 71, Revolutions 39.

F. A. Wilcox
Lieut. U. S. N.

8 A.M. to Meridian.

Bright and pleasant, barometer rising slowly, - light breeze from N.E. At 9[h] 30[m] quarters - Commanding Officer inspected ship and crew. Sighted two sail to the Ed, - bound South. One a barque visible from deck. Steam alone - Average pressure 72 lbs. - Average revolutions 40.2.

N. J. Newton
Lieut. U. S. N.

Meridian to 4 P.M.

Clear and fine, light breeze to light airs from N.E. Course N.E. ½ N. Ship under steam alone. Average steam 72. Average revolutions 40.9.

W. R. Rhoades Hill.
Ensign U. S. N.

4 to 6 P.M.

Clear and pleasant. Light airs from E.S.E. At 6[m] set jibs and staysail.

W. H. Hobbs
Ensign U. S. N.

6 to 8 P.M.

Clear and pleasant. Light breezes from E.S.E. Steaming with two boilers. Ship under fore and aft sail except spanker and main trysail. At 8[m] changed course to N.E. Average steam 71. Average revolutions 40.2

C. W. Stone
Ensign U. S. N.

8 P.M. to Midnight.

Clear and pleasant - Light to gentle breeze from E. by S, to E.S.E. Steering a course N.E. At 9[m] set foresail, spanker and main trysail. At 9[h] 30[m] set the topsails. Average steam 72; revolutions 42.5.

Gus. L. Wolleman
Lieut. U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 6 | 1612.8 | N.E. | E.S.E. | 2 | | | 30-24 | 77 | 75 | 72 | 76 | f.c. | cir. cum | 7 | S. |
| 2 | 7 | 0 | 1620.0 | " | " | 2 | | | 30-22 | 77 | 75 | 72 | 76 | " | " | 7 | " |
| 3 | 7 | 2 | 1627.5 | " | " | 2 | | | 30-20 | 77 | 75 | 71 | 76 | " | " | 9 | " |
| 4 | 7 | 2 | 1635.0 | " | " | 2 | | | 30-20 | 77 | 75 | 72 | 76 | " | " | 7 | " |
| 5 | 7 | 3 | 1642.3 | " | " | 3 | | | 30-20 | 76 | 75 | 72 | 76 | " | " | 5 | S.S. |
| 6 | 7 | 2 | 1649.5 | " | " | 3 | | | 30-22 | 76 | 75 | 72 | 76 | " | " | 7 | " |
| 7 | 6 | 8 | 1656.3 | " | East. | 3-4 | | | 30-22 | 78 | 76 | 72 | 76 | " | " | 7 | " |
| 8 | 6 | 3 | 1662.6 | " | E by N. | 3-4 | | | 30-22 | 81 | 78 | 73 | 77 | " | " | 7 | " |
| 9 | 6 | 8 | 1669.2 | " | " | 3 | | | 30-21 | 79 | 77 | 73 | 77 | " | " | 7 | " |
| 9.30 10 | 3 3 | 3 3 | 1676.2 | N.E. by N. | " | 3 | | | 30-22 | 79 | 77 | 73 | 77 | " | " | 8 | " |
| 11 | 6 | 8 | 1683.0 | " | " | 3 | | | 30-22 | 79 | 78 | 73 | 78 | " | " | 8 | " |
| Noon. | 6 | 8 | 1689.4 | " | " | 3 | | | 30-23 | 80 | 78 | 73 | 78 | " | " | 8 | " |

Course and distance made good since preceding noon by observations, N. 26° E. 166 knots. tenths.

Position at Noon:
- Latitude by D. R. — S. 23 ° 55 ' 56 "
- Longitude by D. R. — W. 28 ° 30 ' 32 "
- Latitude by observations of ⊙ — S. 23 ° 58 ' 28 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 28 ° 36 ' 34 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 2 tenths per hour, setting to the S. 65° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.E. W 17. ° 25 ' "

Water expended during the preceding 24 hours, 297 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2334 "

Coal consumed during the preceding 24 hours, 7 tons 1370 lbs.

Coal remaining on hand at Noon, 138 " 685 "

| P. M. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 1695.5 | N.E. by N. | East. | 2 | 30-22 | 80 | 78 | 73 | 78 | f.c. | cir. cum | 8 | S. |
| 2 | 7 | 1702.5 | " | " | 2 | 30-21 | 79 | 78 | 73 | 78 | " | " | 8 | " |
| 3 | 7 | 1709.5 | " | " | 2 | 30-20 | 79 | 78 | 73 | 78 | " | " | 8 | " |
| 4 | 7 | 1716.5 | " | " | 2 | 30-20 | 79 | 77 | 73 | 78 | " | " | 8 | " |
| 5 | 7 | 1723.8 | " | " | 2 | 30-20 | 79 | 77 | 72 | 78 | " | " | 6 | " |
| 6 | 7 | 1730.8 | " | E by S. | 3 | 30-20 | 78 | 77 | 72 | 78 | " | " | 6 | " |
| 7 | 6 | 1738.0 | " | " | 3 | 30-20 | 79 | 76 | 72 | 78 | " | " | 6 | " |
| 8 | 6 | 1744.7 | " | " | 3 | 30-21 | 80 | 76 | 71 | 78 | " | " | 8 | " |
| 9 | 7 | 1751.9 | " | " | 3 | 30-22 | 80 | 76 | 71 | 78 | " | " | 9 | " |
| 10 | 7 | 1759.6 | " | " | 3 | 30-22 | 79 | 76 | 71 | 78 | " | " | 9 | " |
| 10.20 11 | 2 4 5 | 1762.0 1767.1 | N.E. | " | 3 | 30-23 | 78 | 76 | 71 | 77 | " | " | 9 | " |
| Mid. | 7 2 | 1774.2 | " | " | 3 | 30-18 | 78 | 76 | 72 | 77 | " | " | 5 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Monday, January 23, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright starlight. Gentle breeze from S.S.E. Ship under steam, two boilers and plain sail to topsails and main topmast stay-sail, except mainsail. Steam 69, Revolutions 69.8.

W. T. Wilmer
Lieut. U.S.N.

4 to 8 A.M.

Clear and pleasant - barometer steady - breeze gentle to moderate veering gradually from East, S.E. to E. by N. Smooth sea - long swell from South. At 6.30 took in topsails and foresail At 8.00, took in spanker. Under steam and all fore and aft sail except spanker. Average revolutions 40.8. Average pressure 71 lbs.

J. T. Newton
Lieut. U.S.N.

8 A.M. to Meridian.

Clear and fine, gentle breeze from E by N. Course N.E. until 9.30 when it was changed to N.E. by N. Mustered at quarters and exercised 1st Company at artillery, 2d Company infantry; Pioneer's infantry. Loosed the mainsail to dry and aired bedding - Carpenters at work caulking. Forecastle and Maintopmen making jumper pennants for main yard. Average Steam 72; Revolutions 40.7

W. D. Mason Jr.
Ensign U.S.N.

Meridian to 4 P.M.

Clear. Light breeze from the East. Shifted port main brace end for end, and fitted jumpers to main yard. Average Revolutions 39.7. Steam 68. Pat Log at end of watch 716.5

W. O. Bulmer
Ensign U.S.N.

4 to 6 P.M.

Fair. Light and gentle breezes from East and E. by S. Set foresail and spanker. Steaming with two boilers, and ship under all fore and aft sail and foresail. Changed course at 5.30 to N.E. Average steam 72. Average revolutions 40.5.

C. M. Stone
Ensign U.S.N.

6 o'clock to 8 P.M.

Clear and pleasant. Gentle breeze from E by S. Course N.E, but steering N.E. by N, to keep foresail full. Average steam 71; revolutions 39.6.

Guy Terrell Scharman
Lieut. U.S.N.

8 P.M. to Midnight.

Clear and pleasant first part - Clouding over last hour. Gentle breeze from E by S. Hauled down flying jib. Steam 72 - Revolutions 41.

Examined and found to be correct.

W. W. Mead
Lieut. U.S.N.

C. K. Lemmon Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 3 | 0 | 1780.2 | N.E. ½ N. N.E. | E. by S. | 4 | | | 30.16 | 76 | 75 | 72 | 77 | b.cp. | cir. cum | 7 | S. |
| 2 | 7 | 0 | 1787.0 | " | " | 4 | | | 30.15 | 77 | 75 | 72 | 77 | b.c. | " | 7 | " |
| 3 | 6 | 8 | 1793.8 | N.E. ½ N. | " | 4 | | | 30.14 | 77 | 75 | 72 | 77 | " | " | 7 | " |
| 4 | 7 | 0 | 1800.8 | N.E. | " | 4 | | | 30.14 | 77 | 75 | 72 | 77 | " | " | 7 | " |
| 5 | 6 | 8 | 1807.8 | N.E. ¼N. | " | 4 | | | 30.12 | 77 | 75 | 72 | 77 | " | cir. cum. nim. | 2 | " |
| 6 | 6 | 6 | 1814.5 | N.E. ¾ N. | E. by N. | 3-4 | | | 30.16 | 77 | 74 | 72 | 77 | b.cqk. | " | 1 | W. |
| 7 | 6 | 2 | 1821.0 | N.E. ½ N. | E by S. | 3-4 | | | 30.16 | 77 | 75 | 72 | 77 | " | " | 2 | " |
| 8 | 6 | 4 | 1828.0 | N.E. ¾ N. | " | 3-4 | | | 30.17 | 79 | 76 | 73 | | " | " | 6 | " |
| 9 | 6 | 4 | 1834.5 | " | E. by N. | 3-4 | | | 30.19 | 78 | 76 | 73 | 78 | b.cq. | cir. cum. | 4 | " |
| 9.23 | 2 | 8 | 1897 | " | | 3 | | | | | | | | | | | |
| 10 | 3 | 7 | 1841.0 | N.E. by N. | East. | 3-4 | | | 30.19 | 78 | 76 | 74 | 78 | b.cqk. | " | 4 | " |
| 11 | 6 | 7 | 1847.7 | " | E by N. | 3 | | | 30.20 | 79 | 76 | 73 | 78 | b.cq. | " | 4 | " |
| Noon. | 5 | 6 | 1853.3 | " | " | 3 | | | 30.20 | 80 | 77 | 73 | 78 | " | " | 6 | " |

Course and distance made good since preceding noon by observations, N 18° E. 156 knots tenths.

Position at Noon:
- Latitude by D. R. S. 21 ° 24' 22"
- Longitude by D. R. W. 27 ° 35' 49"
- Latitude by observations of ⊙ S. 21 ° 30' 19"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 27 ° 43' 28"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 4 tenths per hour, setting to the S S 0° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. " N E ½ N W 18° 30' "

Water expended during the preceding 24 hours, 297½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2054½ "

Coal consumed during the preceding 24 hours, 7 tons 1820 lbs.

Coal remaining on hand at Noon, 130 " 1105 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 1 | 1859.4 | N.E. by N. | E. by N. | 3 | | | 30-19 | 79 | 77 | 74 | 78 | b.c. | cir. cum. nim. | 5 | W. |
| 2 | 6 | 6 | 1866.8 | N. by E ¾ E. | " | 3 | | | 30-18 | 79 | 77 | 74 | 78 | " | " | 5 | " |
| 3 | 6 | 4 | 1873.2 | N.N.E. | E.N.E. | 4 | | | 30-18 | 79 | 77 | 73 | 78 | " | " | 2 | " |
| 4 | 6 | 4 | 1880.0 | " | " | 4 | | | 30-16 | 79 | 76 | 73 | 78 | " | " | 5 | " |
| 5 | 6 | 4 | 1886.6 | " | East. | 3 | | | 30-16 | 78 | 76 | 73 | 78 | " | " | 7 | " |
| 6 | 6 | 7 | 1893.8 | " | E.S.E. | 3 | | | 30-18 | 78 | 76 | 72 | 78 | " | " | 7 | |
| 7 | 7 | 2 | 1901.0 | " | " | 4 | | | 30-18 | 81 | 76 | 72 | 78 | " | " | 7 | " |
| 8 | 7 | 5 | 1908.7 | " | " | 4 | | | 30-19 | 81 | 76 | 72 | 78 | " | " | 6 | " |
| 9 | 8 | 3 | 1917.0 | " | " | 4 | | | 30-21 | 81 | 76 | 72 | 77 | " | cir. cum. ck. | 5 | " |
| 10 | 8 | 5 | 1925.5 | " | " | 4 | | | 30-20 | 82 | 76 | 72 | 77 | " | " | 7 | " |
| 11 | 7 | 5 | 1933.0 | " | " | 4 | | | 30-16 | 79 | 75 | 72 | 77 | " | " | 7 | " |
| Mid. | 2 | 0 | 1938.5 | N by E. | East. | 4 | ½ | | 30-17 | 78 | 75 | 72 | 77 | " | " | 8 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, January 24, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence Cntrl 4 A.M.

Generally clear - passing shower between 12^00 and 1^00. Pleasant - Barometer falling - Moderate breeze from E. by S. Steam, and fore and aft sail and foresail. Average pressure 69.5. Average revolutions 38.8.

N. H. Newton
Lieut. U.S.N.

4 to 8 A.M.

Cloudy with passing rain squalls - gentle to moderate breeze from E. by S. to E. by N. Course N.E. Steering full and by for fore and aft sail to N.E. by N. Ship under steam. Average steam 71. Average revolutions 40

W. D. Mahan Jr.
Ensign U.S.N.

8 A.M. to Meridian.

Cloudy and squally; 2^d hour rain squall from E.N.E. Gentle to moderate breeze from N. by E. to the East. At 9^15 hauled down Mizzen topmast staysail to a squall and set it again. At 9 20 set foresail. At 9.25 changed course to N.E. by N. Pat Log 37.3 At 10.15 hauled up foresail. By order of Comdg Officer J.B. Nolan (P.M.) was released from confinement his term having expired. At 9.30 mustered at quarters. Exercised Divisions as follows - 1^st, 2^d, 3rd Divisions instructions Powder Division Pistols Navigator's Division, Single sticks; Marines Infantry. Average Revolutions 40; Steam 72 lbs.

W. O. Hulme
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy. Gentle and moderate breezes from E. by N. and E.N.E. At 1^00 changed course to N.N.E. Ship under fore and aft sail except flying jib, and set foresail at 1^00 and let ship go off to N. by E 3/4 E. At 2^00 took in foresail and came back to course. Steaming with two boilers. Average steam 70; Average revolutions 39.9

C. M. Stone
Ensign U.S.N.

4 o'clock to 6 P.M.

Clear and pleasant. Gentle breeze from East to E. by S. Steering a course N.N.E. At 4.30 set foresail. At 6.00 set topsails and flying jib. At 5^00 mustered at quarters. Average Steam 69. Revolutions 38.8.

Geo. L. W. Holman
Lieut. U.S.N.

6 to 8 P.M.

Partly cloudy, pleasant weather. Gentle to moderate breeze from E. by S. Smooth sea. Steam 70; Revolutions 40.

F. H. Sides
Lieut. U.S.N.

8 P.M. to Midnight.

Clear and pleasant - barometer falling - moderate breeze from E.S.E. - shifting to East at 11.30 - At 8.30 set royals and topgallant sails. At 11.00 stopped engine - banked fires for distilling - disconnected propeller Course N.N.E. After 11.30 full and by - Average pressure 72; Average revolutions 43.

Examined and found to be correct.

J. J. Hunter
Lieut. U.S.N.

Le. K. Semmes
Navigator.
Lieut.

LOG of the UNITED STATES Steamer Essex, 2d. Rate,

At sea, making passage ~~to~~ United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 4 | 0 | 1944.2 | N. ¼ W. | E. N. E. | 3 | | | 30-15 | 77 | 74 | 71 | 77 | b. c. | cir. cir. | 9 | M |
| 2 | 5 | 2 | 1949.4 | N. ½ E. | E by N. | 3 | | | 30-14 | 77 | 75 | 71 | 77 | " | " | 8 | " |
| 3 | 6 | 2 | 1955.6 | N. ¾ E | " | 3 | | | 30-14 | 77 | 75 | 72 | 77 | " | " | 6 | " |
| 4 | 6 | 2 | 1961.5 | " | " | 3 | | | 30-12 | 77 | 76 | 71 | 77 | " | " | 8 | " |
| 5 | 6 | 5 | 1968.0 | N by E ¼ E. | East. | 3 | | ¼ | 30-12 | 76 | 75 | 72 | 77 | " | " | 7 | " |
| 6 | 6 | 8 | 1974.8 | " | " | 3 | | ¼ | 30-14 | 76 | 76 | 71 | 77 | " | " | 7 | " |
| 7 | 6 | 1 | 1980.9 | " | " | 3 | | ¼ | 30-17 | 76 | 76 | 72 | 77 | " | cir. cum. str. | 4 | " |
| 8 | 5 | 8 | 1986.2 | " | " | 3 | | ¼ | 30-18 | 77 | 76 | 72 | 77 | " | " | 3 | " |
| 9 | 2 | 8 | 1991.9 | N. N. E. ½ E | S. E. by E. | 3 | | 2 | 30-17 | 79 | 76 | 72 | 77 | " | " | 3 | S |
| 10 | 3 | 0 | 1994.8 | N. by E. | East. | 3-4 | | | 30-17 | 79 | 75 | 72 | 77 | b. c. g. | cum. nim. | 8 | C. |
| 11 | 4 | 0 | 1999.5 | N by E ½ E | " | 3 | | | 30-18 | 79 | 75 | 72 | 77 | b. c. | " | 2 3 | " |
| Noon. | 1 | 0 | 2000.5 | N. N. E. | E. N. E. | 2 | | | 30-17 | 80 | 77 | 73 | 77 | " | " | | " |

Course and distance made good since preceding noon by observations, N. 4° W. 136 knots. tenths.

Position at Noon:
- Latitude by D. R. S 19 ° 03 ' 43 "
- Longitude by D. R. W. 27 ° 49 ' 18 "
- Latitude by observations of ⊙ S 19 ° 15 ' 11 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 27 ° 54 ' 19 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 5 tenths per hour, setting to the S. 22 ° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM. " N by E. W. 18 ° 51 ' "

Water expended during the preceding 24 hours, 279½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1775 "

Coal consumed during the preceding 24 hours, 4 tons 1550 lbs.

Coal remaining on hand at Noon, 125 " 1795 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 8 | 2006.3 | N. E. | E. by N. | 3 | | | 30-1980 | 78 | 74 | 78 | b. c. | cir. cum. | 7 | M. |
| 2 | 6 | 4 | 2014.3 | N E. by N. | " | 2 | | | 30-1979 | 77 | 73 | 78 | " | cir. cum. str. | 8 | " |
| 3 | 6 | 8 | 2020.7 | " | " | 2 | | | 30-1979 | 77 | 73 | 78 | " | " | 7 | " |
| 4 | 6 | 4 | 2027.7 | " | " | 2 | | | 30-1979 | 77 | 73 | 78 | " | " | 6 | " |
| 5 | 6 | 8 | 2035.0 | " | " | 3 | | | 30-1979 | 77 | 73 | 78 | " | " | 8 | " |
| 6 | 6 | 7 | 2042.3 | " | " | 3 | | | 30-1979 | 77 | 73 | 78 | " | " | 7 | " |
| 7 | 7 | 2 | 2049.2 | " | " | 3 | | | 30-2281 | 77 | 73 | 78 | " | " | 5 | " |
| 8 | 7 | 2 | 2056.7 | " | East | 4 | | | 30-2481 | 76 | 73 | 78 | " | " | 6 | " |
| 9 | 8 | 0 | 2065.0 | " | " | 3 | | | 30-2181 | 75 | 72 | 78 | " | " | 5 | " |
| 10 | 7 | 8 | 2072.8 | " | " | 3 | | | 30-2281 | 75 | 72 | 78 | " | " | 7 | " |
| 11 | 7 | 8 | 2080.2 | " | " | 3 | | | 30-2078 | 75 | 72 | 78 | " | " | 6 | " |
| Mid. | 8 | 0 | 2087.8 | " | " | 3 | | | 30-1978 | 75 | 72 | 78 | " | " | 6 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Wednesday January 25, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine: gentle breeze from E.N.E. to E. by N. Course N.N.E. Steering full and by. Ship under plain sail to royals. Took in mizzen top-mast staysail

W. B. Shaw Jr.
Ensign U.S.N.

4 to 8 A.M.

Fair, rain squalls to Windward. Gentle breeze from the East. Full and by. At 6.10 hauled down fly-jib. Fires banked. Patent Log at end of watch 986.2.

W. O. Hulme
Ensign U.S.N.

8 A.M. to Meridian.

Cloudy and squally. Light to moderate breezes from S.E. by E. to E.N.E. At 9.30 mustered at quarters. At 11.10 spread fires and took in sail. At 11.50 took in pat. log reading 999.5 Went ahead under steam at 11.58 and put over new pat. log reading 0000. Changed course to N.E. Steaming with two boilers.

C. McClure
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Gentle to light breeze from E by N. At 1.00 changed course to N.E. ½ N. and at 1.05 to N.E. by N. At 1.10 set all fore and aft sail except flying jib and spanker. At 3.45 set foresail At 3.50 hauled up foresail. Engaged in refitting and setting up starboard fore-top-gallant backstay. Average steam 70.2; revolutions 39.3.

Jno. H. Holman
Lieut. U.S.N.

4 to 6 P.M.

Clear and pleasant. Gentle breeze from E by N. Smooth sea. Set foresail and spanker. Steam 71. Revolutions 40.3.

J. T. Tilden
Lieut. U.S.N.

6 to 8 P.M.

Clear and pleasant. barometer rising. gentle to moderate breeze from E by N. and E. Steam pressure 71. Revolutions 40.3.

J. T. Hamilton
Lieut. U.S.N.

8 P.M. to Midnight.

Fair and pleasant, gentle breeze from E. Course N.E. by N. Steaming under fore and aft sail and foresail. Average steam 73. Average revolutions 43.

W. B. Shaw Jr.
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 2 | 2095.2 | N.E.½N. | E.S.E. | 3 | | | 30-16 | 77 | 75 | 72 | 77 | b.c. | cir. cum | 6 | S |
| 2 | 8 | 3 | 2103.5 | " | " | 3 | | | 30-14 | 77 | 75 | 72 | 77 | b.c.p. | Cir. Cumu. Nim. | 7 | " |
| 3 | 8 | 3 | 2111.8 | " | " | 3 | | | 30-13 | 76 | 75 | 72 | 77 | b.o. | " | 8 | " |
| 4 | 8 | 2 | 2120.0 | " | " | 3 | | | 30-10 | 76 | 75 | 72 | 77 | " | " | 8 | " |
| 5 | 8 | 7 | 2128.6 | " | " | 4 | | | 30-12 | 76 | 75 | 72 | 77 | " | " | 7 | " |
| 6 | 8 | 6 | 2137.2 | " | " | 4 | | | 30-14 | 76 | 75 | 72 | 77 | " | " | 7 | " |
| 7 | 8 | 6 | 2145.5 | " | " | 4 | | | 30-17 | 78 | 76 | 73 | 77 | " | Cir. Cumu. St. | 5 | " |
| 8 | 8 | 6 | 2154.1 | " | " | 4 | | | 30-16 | 78 | 76 | 73 | 77 | " | " | 6 | " |
| 9 | 7 | 7 | 2162.0 | " | " | 3 | | | 30-16 | 78 | 77 | 73 | 77 | " | " | 6 | " |
| 10 | 6 | 1 | 2168.1 | " | S.E. by E | 3 | | | 30-16 | 78 | 77 | 73 | 77 | " | " | 6 | " |
| 11 | 5 | 9 | 2173.8 | " | " | 3 | | | 30-16 | 79 | 77 | 73 | 77 | " | " | 6 | " |
| Noon. | 4 | 8 | 2178.2 | " | " | 3 | | | 30-16 | 79 | 77 | 73 | 78 | " | " | 6 | " |

Course and distance made good since preceding noon by observations, N 13° W. 168 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 16 ° 21 ' 35 "
- Longitude by D. R. W. 27 ° 08 ' 43 "
- Latitude by observations of ⊙ S. 16 ° 31 ' 20 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 27 ° 15 ' 13 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 4 tenths per hour, setting to the S. 38°, W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.E. by N. W 18° 51' "

Water expended during the preceding 24 hours, 279½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1495½ "

Coal consumed during the preceding 24 hours, 7 tons 560 lbs.

Coal remaining on hand at Noon, 118 " 1238 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 6 | 2183.0 | N.N.E. | S.E. by E. | 3 | | | 30-12 | 78 | 77 | 73 | 78 | b.o. | cir. cum | 6 | S. |
| 2 | 5 | 6 | 2188.8 | " | " | 4 | | | 30-12 | 78 | 76 | 72 | 78 | " | " | 4 | " |
| 3 | 5 | 4 | 2194.0 | " | " | 3 | | | 30-12 | 77 | 74 | 72 | 78 | " | " | 3 | " |
| 4 | 2 | 0 | 2195.0 | " | " | 2 | | | 30-11 | 77 | 74 | 72 | 78 | " | Cir. Cumu. Nim. | 3 | " |
| 5 | 4 | 0 | 2198.8 | " | " | 3 | | | 30-10 | 77 | 75 | 72 | 78 | " | " | 7 | " |
| 6 | 4 | 8 | 2203.8 | " | S.E. | 3 | | | 30-10 | 78 | 76 | 72 | 78 | " | " | 7 | " |
| 7 | 5 | 6 | 2209.5 | " | " | 3 | | | 30-10 | 79 | 76 | 72 | 78 | " | " | 6 | " |
| 8 | 6 | 2 | 2215. | " | " | 3 | | | 30-10 | 79 | 76 | 72 | 78 | " | " | 5 | " |
| 9 | 5 | 4 | 2217. 0 2222. | N.N.E. ¼ E | S.E. by E. | 3 | | | 30-13 | 79 | 76 | 72 | 77 | " | " | 6 | " |
| 10 | 6 | 2 | 2228. | " | " | 3 | | | 30-15 | 80 | 76 | 72 | 77 | " | " | 6 | " |
| 11 | 5 | 9 | 2234. | " | " | 3 | | | 30-14 | 77 | 76 | 72 | 77 | " | " | 6 | " |
| Mid. | 6 | 0 | 2240.3 | " | " | 3 | | | 30-12 | 77 | 76 | 72 | 77 | " | " | 4 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday, January 26, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences (and) until 4 A.M.
Clear. Passing shower 2d hour. Gentle E.S.E breeze. Under steam (and) all fore and aft sail. At 1m set topsails. Course N.E. by N. Revolutions 40; Steam 71.

W.O. Hulme
Ensign, U.S.N.

4 to 8 A.M.
Fair. Moderate breezes from E.S.E. Set royals and topgallant sails at 4m. During third hour wind hauled ahead and took in light sail, setting them again as it shifted back. At end of watch, ship under all plain sail to royals except mainsail; all fore (and) aft sail. Steaming with two boilers - average Steam 72; average revolutions 43.

W. Milton
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Gentle breeze from S.E. by E. Steering a course N.E. by N., changing course at Meridian to N.N.E. At 8h stopped the engine, uncoupled the propeller and backed fores. At 8h 4m took in light sails forward to set up topgallant backstay aft, fresh, setting the light sails again at 9m. At 9h 30m went to general quarters, times as follows, 1st Division ready in 6m, 30s; 2d Division, 3m, 45s; 3d Division 3m, 15s; Navigator's 3m; = Powder 2m, 35s; = Engineers 1m, 30s; = Marine Guard 1m, 15s; = Paymasters 1m 25s; = Surgeons 1m 05s. At 9h 45m started fires under "B," boiler for distilling. Fitted preventer main topgallant backstay. By order of the Commanding Officer, —
L.C. Bowe. (S Apprentice 2.C.) was confined for three days on bread and water for disobedience of orders.

Augustus Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Generally clear warm and pleasant; cloudy with light drizzle from 2h 30m - 3h 2m. Moderate to light breze from S.E. by E. Hauled fires from the two steaming boilers. Commenced distilling. Sighted a steamer, steering to the Sd.

[illegible]
Lieut. U.S.N.

4 to 6 P.M.
Clear (and) pleasant. barometer steady. Gentle to moderate breze from S.E. by E (and) S.E. Distilling.

N.J. Newton
Lieut. U.S.N.

6 to 8 P.M.
Clear and fine, gentle breeze from S.E. Course N.N.E. Ship under all plain sail except mainsail and spanker.

W. Brownell
Ensign U.S.N.

8 P.M. to Midnight.
Fair. Gentle S.E. by E breeze. At 8h 15m changed course to N.N.E. 1/2 E. Patent Log 217.2. At 9h 55m hauled down mizzen topgallant staysail. Distilling.

W.O. Hulme
Ensign U.S.N.

Examined and found to be correct.

L.R. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 0 | 2275.8 | N.N.E. 1/4 E. | S.E. by E. | 4 | | | 30-10 | 77 | 75 | 72 | 78 | b.c. | cum. nim. | 5 | S |
| 2 | 4 | 0 | 2249.9 | " | " | 3 | | | 30-08 | 77 | 75 | 72 | 77 | " | " | 4 | " |
| 3 | 5 | 8 | 2256.1 | " | " | 4 | | | 30-07 | 77 | 75 | 72 | 77 | " | " | 4 | " |
| 4 | 5 | 6 | 2261.5 | " | " | 3 | | | 30-06 | 77 | 75 | 72 | 77 | " | " | 8 | " |
| 5 | 5 | 5 | 2267.2 | " | E.S.E | 3 | | | 30-06 | 76 | 76 | 72 | 77 | " | fir. cum. nim. | 6 | " |
| 6 | 5 | 8 | 2273.2 | " | S.E. by E. | 3 | | | 30-08 | 76 | 75 | 72 | 77 | " | " | 4 | " |
| 7 | 5 | 7 | 2279.2 | " | E.S.E. | 3 | | | 30-09 | 76 | 75 | 72 | 77 | " | " | 5 | " |
| 8 | 5 | 5 | 2285.5 | " | S.E. by E. | 3-4 | | | 30-10 | 76 | 76 | 73 | 77 | b.c.d.g. | " | 3 | " |
| 9 | 5 | 5 | 2291.5 | " | " | 3 | | | 30-10 | 78 | 76 | 73 | 77 | b.c. | " | 5 | " |
| 10 | 5 | 0 | 2296.5 | " | " | 3 | | | 30-12 | 78 | 76 | 73 | 77 | " | " | 7 | " |
| 11 | 4 | 5 | 2301.0 | " | E.S.E. | 3 | | | 30-11 | 78 | 77 | 74 | 77 | " | " | 6 | " |
| Noon. | 4 | 0 | 2304.7 | " | " | 3 | | | 30-11 | 78 | 77 | 74 | 77 | b.c.p. | " | 3 | " |

Course and distance made good since preceding noon by observations, N. 1.° W. 122 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 14 ° 22 ' 14 "
- Longitude by D. R. W. 27 ° 04 ' 13 "
- Latitude by observations of ⊙ S. 14 ° 28 ' 53 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 27 ° 18 ' 13 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 6 tenths per hour, setting to the S. 64° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM. " N.N.E. W 19 ° 24 "

Water expended during the preceding 24 hours, 294 gallons.

Water distilled during the preceding 24 hours, 1785 "

Water remaining on hand fit for use at Noon, 2976 "

Coal consumed during the preceding 24 hours, 1 tons 1840 lbs.

Coal remaining on hand at Noon, 116 " 1635 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 1 | 2308.8 | N.NE 1/4 E. | E.S.E. | 3 | | | 30-09 | 78 | 77 | 74 | 77 | b.c. | cum. nim. | 2 | W. |
| 2 | 4 | 1 | 2312.9 | " | S.E. | 2-4 | | | 30-07 | 78 | 76 | 74 | 77 | b.c.p. | " | 2 | " |
| 3 | 3 | 3 | 2316.2 | " | E. by S. | 1-3 | | | 30-06 | 78 | 76 | 73 | 77 | " | " | 4 | " |
| 4 | 4 | 6 | 2320.8 | " | " | 4 | | | 30-04 | 78 | 77 | 73 | 77 | b.c. | cir. cum. | 8 | " |
| 5 | 5 | 2 | 2325.5 | " | " | 4 | | | 30-05 | 78 | 77 | 73 | 77 | " | " | 8 | " |
| 6 | 4 | 8 | 2329.8 | " | " | 4 | | | 30-06 | 78 | 77 | 73 | 77 | " | " | 7 | " |
| 7 | 4 | 2 | 2334.0 | " | " | 3 | | | 30-09 | 80 | 77 | 73 | 77 | " | " | 4 | " |
| 8 | 4 | 5 | 2338.5 | " | " | 3 | | | 30-10 | 80 | 77 | 73 | 77 | " | " | 4 | " |
| 9 | 6 | 0 | 2344.0 | " | E.S.E | 4 | | | 30-12 | 80 | 76 | 72 | 77 | " | " | 4 | " |
| 10 | 5 | 6 | 2349.3 | " | " | 4 | | | 30-13 | 80 | 76 | 72 | 77 | " | " | 4 | " |
| 11 | 6 | 0 | 2354.5 | " | " | 4 | | | 30-12 | 80 | 76 | 73 | 77 | " | " | 2 | " |
| Mid. | 5 | 6 | 2358.5 | " | " | 4 | | | 30-11 | 79 | 76 | 73 | 77 | " | " | 3 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday, January 27, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence (am) until 4 A.M.

Cloudy most of watch. Gentle and moderate breezes from S.E. by E. Took in royals second hour, to a squall that came out ahead, and let the ship run off to N by W. Coming back to her course N.N.E. ½ E. after it had passed and set royals; at end of watch ship under all plain sail to royals, except mainsail; all fore and aft sail except mizzen topmast stay-sail and spanker. Distilling.

C.M. Stone
Ensign U.S.N.

4 o'clock to 8 A.M.

Fair to cloudy. Gentle breeze from between S.E. by E. (am) E.S.E. with a moderate squall last hour accompanied by drizzle. Several rain squalls in sight. Steering a course N.N.E ½ E. At 7.50 clewed up royals and hauled down and stowed flying jib.

Jas. T. Woodman
Lieut. U.S.N.

8 A.M. to Meridian

Generally cloudy but warm and pleasant. Gentle breeze from S.E. by E. to E.S.E. with light rain squalls at 8, (am) 11.20. Set royals at 8.15. At 9.30 mustered at quarters (am) exercised as per routine. Distilling. J.J. Smith (Ca) reported the expiration of his term of enlistment.

W. H. Reeves
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant - several passing showers - wind E.S.E (pm) S.E., hauling to E. by S., at end of watch, - light airs to moderate breeze Barometer falling. - Stopped distilling, - hauled fires, - Set mainsail - took in main - trysail - .

J. T. Hunter
Lieut. U.S.N.

4 to 6 P.M.

Clear and fine, gentle to moderate breeze from E by S. Course N.N.E ½ E. All plain sail except flying jib, main trysail (pm) spanker.

W. R. Mason Field.
Ensign U.S.N.

6 to 8 P.M.

Cloudy. Gentle E by S. breeze

W. O. Hulme
Ensign U.S.N.

8 P.M. to Midnight.

Cloudy. Moderate breezes from E.S.E. Under all plain sail to royals except flying jib; and the fore and main topmast staysails.

C.M. Stone
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

At sea, making passage to United States

| Hour | Knots | Tenths | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in Inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 5 | 0 | 2363.0 | N.N.E.½E | E. by S. | 3 | | ½ | 30.09 | 76 | 76 | 73 | 77 | fa | cir.cum | 4 | hw |
| 2 | 5 | 0 | 2367.5 | N.N.E. | " | 3 | | ¼ | 30.07 | 77 | 76 | 73 | 77 | " | " | 6 | " |
| 3 | 5 | 2 | 2372.0 | N by E. ½ E. | East. | 3 | | ¼ | 30.05 | 77 | 75 | 73 | 74 | " | " | 5 | " |
| 4 | 5 | 3 | 2376.5 | " | " | 3 | | ¼ | 30.05 | 77 | 76 | 73 | 74 | " | " | 9 | " |
| 5 | 5 | 4 | 2380.7 | N by E. ½ E | " | 3 | | ¼ | 30.05 | 77 | 76 | 73 | 77 | " | " | 7 | " |
| 6 | 4 | 5 | 2385.1 | N by E | " | 4 | | ¼ | 30.06 | 77 | 76 | 73 | 77 | " | " | 7 | " |
| 7 | 4 | 5 | 2389.1 | " | " | 3 | | ¼ | 30.08 | 78 | 76 | 74 | 77 | " | " | 7 | " |
| 8 | 4 | 5 | 2394.1 | N by E ½ E. | " | 4 | | ¼ | 30.10 | 79 | 77 | 74 | 77 | " | " | 8 | " |
| 9 | 4 | 2 | 2399.0 | N.N.E. | E by S. | 3 | | ½ | 30.11 | 80 | 77 | 74 | 77 | " | " | 5 | fb. |
| 10 | 4 | 2 | 2403.2 | N by E | East | 3 | | ½ | 30.11 | 80 | 78 | 75 | 77 | " | " | 7 | " |
| 11 | 5 | 0 | 2408.2 | N by E. ½ E. | " | 4 | | ½ | 30.11 | 78 | 78 | 74 | 77 | " | " | 6 | " |
| Noon. | 4 | 0 | 2412.2 | " | " | 3-2 | | ½ | 30.10 | 78 | 78 | 74 | 74 | " | " | 5 | " |

Course and distance made good since preceding noon by observations, N. 5° W. 101 knots tenths.

Position at Noon:
- Latitude by D. R. S. 12° 42' 05"
- Longitude by D. R. W. 27° 18' 13"
- Latitude by observations of ☉ S. 12° 48' 30"
- Longitude by chronometer from Forenoon Observations of ☉ W. 27° 26' 31"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 4 tenths per hour, setting to the S. 51°, W.

Variation of the Compass by Amplitude ☉ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ☉ observed at " ° ' "

Variation of the Compass by Azimuth ☉ observed at 8 A.M. " N by E. W. 19° 21' "

Water expended during the preceding 24 hours, 225½ gallons.

Water distilled during the preceding 24 hours, 128 "

Water remaining on hand fit for use at Noon, 2875½ "

Coal consumed during the preceding 24 hours, tons 800 lbs.

Coal remaining on hand at Noon, 116 " 835 "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | 3 | 6 | 2416.2 | N by E. | East. | 3 | | ½ | 30.10 | 79 | 78 | 75 | 79 | fa | cir.cum | 7 | S. |
| 2 | 3 | 5 | 2419.8 | " | E. by S. | 3 | | ½ | 30.08 | 79 | 78 | 75 | 79 | " | " | 7 | " |
| 3 | 3 | 0 | 2423.2 | N.N.E. ½ E. | E.S.E. | 3 | | ½ | 30.06 | 79 | 78 | 75 | 79 | " | " | 8 | " |
| 4 | 4 | 0 | 2428.0 | " | " | 3 | | ¼ | 30.06 | 79 | 78 | 75 | 79 | " | " | 7 | " |
| 5 | 5 | 9 | 2432.9 | " | " | 4 | | ½ | 30.06 | 79 | 78 | 75 | 78 | " | " | 6 | " |
| 6 | 6 | 4 | 2440.3 | " | " | 4 | | ½ | 30.06 | 79 | 78 | 74 | 78 | " | " | 8 | " |
| 7 | 6 | 4 | 2446.7 | " | E by S. | 4 | | ½ | 30.06 | 80 | 77 | 73 | 78 | " | " | 9 | " |
| 8 | 6 | 0 | 2452.8 | " | " | 4 | | ½ | 30.08 | 81 | 77 | 73 | 77 | " | " | 8 | " |
| 9 | 6 | 0 | 2458.9 | " | " | 4 | | | 30.09 | 81 | 77 | 73 | 77 | " | " | 7 | " |
| 10 | 5 | 8 | 2464.5 | " | E.S.E. | 4 | | | 30.09 | 81 | 77 | 73 | 77 | " | " | 7 | " |
| 11 | 5 | 6 | 2470.1 | " | " | 4 | | | 30.09 | 81 | 77 | 74 | 77 | " | " | 6 | " |
| Mid. | 5 | 7 | 2475.8 | " | " | 4 | | | 30.10 | 78 | 77 | 73 | 77 | " | " | 7 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday, January 28, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair. Gentle breeze from E by S to East. Steering a course N.N.E. 1/4 E., first hour: full and by after that

Jno. L. Holman
Lieut. U.S.N.

4 to 8 A.M.

Clear and pleasant. Moderate to gentle breeze from East. Smooth sea. Steering full and by.

F. A. Traut
Lieut. U.S.N.

8 A.M. to Meridian.

Bright and pleasant - barometer steady - Gentle to moderate breeze from E by S, and East. Full and by. Course N.E. by N. - Smooth sea - long swell from S.E. M. Balzer (Sea Apprentice 1.c.) reported expiration of term of enlistment. Set flying jib and mizzen-top staysail.

F. J. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Clear and pleasant, gentle breeze from East and E.S.E. Course until 1.50 full and by to N.E. by N., and then it was changed to N.N.E. 1/2 E.

F. W. Rayman Mill.
Ensign U.S.N.

4 to 6 P.M.

Clear. Moderate E.S.E. breeze. At 5.44 went to fire quarters, times as follows: - 1st stream in 1m 35s; - 2nd. stream in 2m. 10s. Pumped out bilges.

W. O. Sharp
Ensign U.S.N.

6 to 8 P.M.

Clear and pleasant. Moderate breezes from E by S. Under all sail except spanker and main trysail.

C. McClintock
Ensign U.S.N.
E by S. to E.S.E.

8 P.M. to Midnight.

Clear and pleasant. Moderate breeze from E by S to E.S.E. Steering a course N.N.E. 1/2 E.

H Jno. L. Holman
Lieut. U.S.N.

Examined and found to be correct.

C. K. Lemist
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex" 5th. Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 5 | 6 | 2481.5 | N.N.E.½E. | E.S.E. | 4 | | | 30-06 | 78 | 76 | 73 | 77 | bc | cir. cum | 6 | 8 |
| 2 | 6 | 0 | 2487.5 | " | " | 4 | | | 30-03 | 78 | 76 | 73 | 77 | " | " | 8 | " |
| 3 | 5 | 5 | 2493.2 | " | " | 4 | | | 30-02 | 78 | 76 | 73 | 77 | " | " | 8 | " |
| 4 | 6 | 0 | 2498.8 | " | " | 4 | | | 30-01 | 77 | 76 | 73 | 77 | " | " | 8 | " |
| 5 | 6 | 2 | 2505.0 | " | S.E.by E. | 4 | | ¼ | 30-01 | 77 | 75 | 72 | 77 | b.c. fog. | cir. cum. nim. | 2 | " |
| 6 | 5 | 5 | 2510.5 | " | E.S.E. | 4 | | ¼ | 30-02 | 77 | 75 | 72 | 77 | bc | " | 3 | " |
| 7 | 6 | 7 | 2517.2 | " | " | 4 | | ½ | 30-03 | 78 | 76 | 73 | 78 | " | " | 4 | " |
| 8 | 6 | 0 | 2523.8 | " | E. by S. | 4 | | ½ | 30-05 | 78 | 77 | 73 | 78 | " | " | 6 | " |
| 9 | 5 | 8 | 2529.8 | " | " | 4 | | ¼ | 30-07 | 78 | 78 | 74 | 78 | " | " | 6 | " |
| 10 | 5 | 6 | 2535.1 | " | " | 4 | | ¼ | 30-07 | 78 | 78 | 74 | 78 | " | " | 8 | " |
| 11 | 5 | 6 | 2540.4 | " | " | 4 | | ¼ | 30-06 | 79 | 79 | 75 | 78 | " | " | 8 | " |
| Noon. | 5 | 0 | 2545.4 | " | " | 3 | | ¼ | 30-06 | 79 | 79 | 75 | 78 | " | " | 9 | " |

Course and distance made good since preceding noon by observations, N. 2°30'. E. 13¼ knots. tenths.

Position at Noon:
- Latitude by D. R. S. 10 °36.40"
- Longitude by D. R. W. 27 °14.01"
- Latitude by observations of ⊙ S. 10 °35.14"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 27 °20.27"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 2 tenths per hour, setting to the W. 13°. N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.N.E., W. 19°18'. "

Water expended during the preceding 24 hours, 2254 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2650 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 116 " 435 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.30 | 2 | 0 | 2547.5 | N.N.E ½ E. | | | | | | | | | | |
| 1 | 2 | 0 | 2549.6 | N.N.E. | E.S.E. | 3 | ½ | 30-03 | 79 | 79 | 75 | 78 | bc. | cir. cumu. | 9 | S |
| 2 | 4 | 0 | 2553.8 | " | " | 3 | ½ | 30-01 | 79 | 79 | 75 | 78 | " | " | 7 | " |
| 3 | 2 | 8 | 2556.8 | " | " | 2 | 1 | 29-98 | 80 | 79 | 75 | 78 | " | " | 7 | " |
| 4 | 3 | 0 | 2559.2 | " | S.E. | 2 | 1 | 29-98 | 80 | 79 | 75 | 78 | " | " | 7 | " |
| 5 | 2 | 2 | 2561.5 | " | S.S.E. | 2 | | 29-97 | 80 | 79 | 75 | 78 | " | " | 8 | " |
| 6 | 1 | 6 | 2562.5 | " | S.E. | 1 | | 29-98 | 80 | 78 | 74 | 78 | " | " | 6 | " |
| 7 | 1 | 6 | 2562.8 | " | " | 2 | | 30-02 | 80 | 78 | 74 | 78 | " | " | 3 | " |
| 8 | 1 | 8 | 2563.6 | " | " | 2 | | 30-03 | 82 | 78 | 74 | 78 | " | " | 1 | " |
| 9 | 2 | 0 | 2565.2 | " | " | 2 | | 30-03 | 80 | 78 | 75 | 78 | " | " | 1 | " |
| 10 | 2 | 5 | 2567.4 | " | S.E. by S. | 2 | | 30-04 | 80 | 77 | 73 | 78 | " | cir. cum. | 4 | " |
| 11 | 1 | | 2568.2 | " | E. by S. | 1 | | 30-04 | 80 | 77 | 75 | 78 | " | " | 4 | " |
| Mid. | 1 | | 2568.3 | " | " | 1 | | 30-04 | 78 | 77 | 74 | 78 | " | " | 4 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday January 29, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moon & starlight. Moon set at 3. Moderate breeze from E.S.E. Barometer falling. Smooth sea. Ship under all plain sail and fore, main & mizzen top staysails, excepting spanker, Steering course N.N.E. ½ E.

F.H. Wilmer
Lieut. U.S.N.

4 to 8 A.M.

Cloudy & clearing latter part - barometer rising - moderate breeze from S.E. by E - E.S.E, and E by S. Set spanker.

J.T. Newton
Lieut. U.S.N.

8 A.M. to Meridian.

Clear and fine; moderate breeze from E by S. Mustered at quarters and Commanding Officer inspected ship and crew - Course N.N.E. ½ E. Plain sail to royals except main trysail and spanker.

W.N. Rau Jr.
Ensign U.S.N.

Meridian to 4 P.M.

Clear and warm. Gentle to light breeze from E.S.E. to S.E. At 12 30 changed course to N.N.E. Pat Log 547.5

W.O. Stulme
Ensign U.S.N.

4 To 6 P.M.

Clear and pleasant. Light airs and breezes from S.S.E. and S.E. Clewed up mainsail and hauled down fore and aft sail except jib. At end of watch ship under plain sail to royals, except flying jib and mainsail.

C.W. Stone
Ensign U.S.N.

6 o'clock to 8 P.M.

Clouding over. Halo around the moon. Light airs to light breezes from S.E. Steering a course N.N.E. At 8. set the mainsail.

Jno. F. Wolman
Lieut. U.S.N.

8 P.M. to Midnight.

Generally cloudy; short intervals blue sky with bright moon and starlight. Wind unsteady - varying from S.S.E., to E by S. and in force from a gentle breeze to very light airs Hauled up mainsail.

F.H. Wilmer
Lieut. U.S.N.

Examined and found to be correct.

E.K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 1 | 0 | —— | S.N.E. | S.S.E. | 1 | | | 30-01 | 78 | 77 | 75 | 77 | bc | cum nim | 7 | 8 |
| 2 | 2 | 0 | —— | " | " | 2 | | | 29.99 | 78 | 76 | 74 | 77 | " | " | 3 | " |
| 3 | 4 | 0 | 2570.5 | " | S.E. | 3 | | | 29.98 | 78 | 76 | 74 | 77 | " | " | 3 | " |
| 4 | 4 | 5 | 2575.2 | " | " | 3-5 | | | 29.98 | 78 | 76 | 74 | 77 | bcq. | " | 4 | " |
| 5 | 6 | 0 | 2581.0 | North. | East | 3 | | | 29.97 | 78 | 75 | 73 | 77 | bcqk. | " | 2 | " |
| 6 | 5 | 0 | 2586.0 | N. by E. | " | 3 | | | 29.98 | 77 | 75 | 73 | 77 | " | " | 1 | " |
| 7 | 4 | 0 | 2589.2 | N.N.E. | E by S. | 3 | | | 30-00 | 78 | 76 | 74 | 77 | " | " | 3 | " |
| 8 | 6 | 2 | 2595.5 | N. by E. | East | 4 | | | 30.03 | 78 | 76 | 74 | 77 | " | " | 2 | " |
| 9 | 5 | 2 | 2600.5 | N. ¾ E. | " | 4 | | ½ | 30-05 | 79 | 77 | 75 | 77 | " | " | 3 | " |
| 10 | 6 | 0 | 2606.0 | " | " | 4 | | ¾ | 30-05 | 79 | 78 | 75 | 77 | " | " | 3 | " |
| 11 | 6 | 2 | 2612.2 | N ½ W. | E.N.E. | 4 | | ½ | 30-05 | 79 | 78 | 75 | 77 | bc | " | 4 | " |
| Noon. | 5 | 8 | 2618.0 | N ¼ E. | East. | 4 | | ½ | 30.04 | 79 | 78 | 75 | 77 | " | " | 6 | " |

Course and distance made good since preceding noon by observations, N. 9° W. 80 knots tenths.

Position at Noon:
- Latitude by D. R. — S. 9 ° 15' 50"
- Longitude by D. R. — W. 27 ° 27' 15"
- Latitude by observations of ⊙ — S. 9 ° 15' 34"
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 27 ° 32' 48"

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots / tenths per hour, setting to the W. ½ °

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N. by E. W. 17° 32' "

Water expended during the preceding 24 hours, 237½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2413½ "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 116 " 35 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 8 | 2622.9 | N. by E | East | 4 | ½ | 30.03 | 79 | 79 | 75 | 78 | bc. | Cir. Cum. | 6 | W. |
| 2 | 5 | 8 | 2628.2 | N by E. ½ E. | E by S. | 4 | ½ | 30-00 | 79 | 79 | 75 | 78 | " | " | 6 | " |
| 3 | 4 | 4 | 2633.4 | N.N.E. | E.S.E. ½ E. | 4 | ½ | 29.98 | 79 | 78 | 75 | 78 | " | " | 6 | " |
| 4 | 3 | 6 | 2637.4 | " | " | 3 | ½ | 29-97 | 79 | 78 | 75 | 78 | " | " | 6 | " |
| 5 | 3 | 2 | 2640.5 | " | E. by S. | 2 | ¼ | 29-97 | 80 | 79 | 75 | 78 | " | " | 5 | N.L. |
| 6 | 4 | 6 | 2644.0 | " | E.S.E. | 4 | | 29-98 | 79 | 78 | 76 | 78 | bc.p. | " | 3 | " |
| 7 | 6 | 1 | 2650.0 | " | " | 4 | | 29-99 | 81 | 78 | 76 | 78 | bc | " | 5 | N.L. |
| 8 | 6 | 4 | 2656.5 | " | " | 4 | | 30-01 | 82 | 78 | 76 | 78 | " | " | 4 | " |
| 9 | 6 | 5 | 2663.0 | " | S.E. by E | 5 | | 30-03 | 82 | 78 | 76 | 78 | " | " | 5 | " |
| 10 | 7 | 0 | 2670.0 | " | E.S.E | 5 | | 30-05 | 82 | 78 | 75 | 78 | " | " | 6 | " |
| 11 | 7 | 0 | 2677.0 | " | E by S. | 5 | | 30-04 | 81 | 78 | 75 | 78 | " | " | 7 | " |
| Mid. | 7 | 3 | 2684.3 | " | " | 5 | | 30-03 | 80 | 78 | 75 | 78 | " | " | 8 | " |

under the command of W. A. Mead, Commander, U. S. Navy,

Monday, January 30th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Alternating clear and cloudy - barometer falling - light to moderate breeze from S.S.E. and S.E. - moderate squall last hour. At end of watch ship under square sail to t'gallant sails, jib, ~~flying~~ fore jib, main and mizzen top staysails.

N. J. T. Newton
Lieut. U.S.N.

4 to 8 A.M.
Cloudy, heavy rains during the morning, gentle breeze from E to E by S. Course N.N.E. Full and by. Took in mizzen top staysail. Ship under plain sail to royals except flying jib, main trysail and spanker.

J. N. Rodman Jr.
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy. Moderate breeze from the East to E.N.E. Squally first two hours. At 8 40 set mizzen top staysail and at 11 30 set flying jib. At 9 30 mustered at quarters. Exercises interrupted by squall. Painting starboard side forecastle.

W. O. Bilmer
Ensign U.S.N.

Meridian to 4 P.M.
Fair. Moderate breezes from East to E.S.E 1/2 E. Ship under all sail except spanker and main trysail.

C. M. Cone
Ensign U.S.N.

4 o'clock to 6 P.M.
Cloudy. Light drizzle second hour. Heavy showers passing astern. Light to moderate breeze from E by S, to E.S.E. At 5 45 mustered at quarters. Long swell from S.S.E. Steering a course W.N.E.

Geo. L. W. Johnson
Lieut. U.S.N.

6 to 8 P.M.
Partly cloudy, pleasant weather. Bright moon and starlight. Moderate breeze from E.S.E. Moderate sea with long S.E. by swell.

W. F. Wilson
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. bright moonlight barometer fluctuating. Fresh breeze from S.E. by E, E.S.E., E by S. Took in mizzen top staysail and set spanker.

N. J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 7 | 2691.0 | N.N.E. | E. by S. | 5 | | | 30-00 | 79 | 78 | 75 | 78 | b.c. | cir. cum | 5 | Sw. |
| 2 | 6 | 0 | 2697.0 | " | " | 4 | | | 29-98 | 79 | 78 | 75 | 78 | " | " | 7 | " |
| 3 | 6 | 3 | 2703.3 | " | " | 4 | | | 29-96 | 79 | 78 | 74 | 78 | " | " | 7 | " |
| 4 | 6 | 6 | 2709.8 | " | " | 4 | | | 29-96 | 79 | 77 | 74 | 78 | " | " | 6 | " |
| 5 | 7 | 0 | 2716.8 | " | " | 4 | | | 29-97 | 79 | 77 | 74 | 78 | " | " | 5 | . |
| 6 | 7 | 2 | 2724.0 | " | " | 4 | | | 29-97 | 78 | 77 | 74 | 78 | " | " | 6 | " |
| 7 | 6 | 7 | 2730.7 | " | " | 4 | | | 29-99 | 79 | 77 | 74 | 78 | " | " | 6 | " |
| 8 | 7 | 0 | 2737.7 | " | " | 4 | | | 30-01 | 80 | 79 | 75 | 78 | " | " | 6 | " |
| 9 | 7 | 2 | 2744.5 | " | " | 4 | | | 30.02 | 81 | 79 | 75 | 78 | " | " | 6 | " |
| 10 | 7 | 2 | 2751.8 | " | " | 4 | | | 30-00 | 81 | 80 | 76 | 78 | " | " | 6 | " |
| 11 | 7 | 2 | 2759.0 | " | E.S.E. | 4 | | | 30-00 | 81 | 80 | 76 | 78 | " | " | 6 | " |
| Noon. | 7 | 6 | 2766.5 | " | " | 4 | | | 29-99 | 81 | 80 | 76 | 78 | " | " | 6 | " |

Course and distance made good since preceding noon by observations, N. 140 knots. tenths.

Position at Noon:
- Latitude by D. R. S. 6 ° 49' 10"
- Longitude by D. R. W. 27 ° 22' 42"
- Latitude by observations of ⊙ S. 6 ° 55' 34"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 27 ° 33' 37"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 5 tenths per hour, setting to the W. 31° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM " N.N.E. W.B. 27' ".

Water expended during the preceding 24 hours, 225 1/2 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2188 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 115 " 1875 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 4 | 2773.5 | N. by E. | E.S.E. | 4 | | | 29-98 | 81 | 80 | 76 | 78 | b.c. | cir. cum | 7 | Sw. |
| 2 | 7 | 1 | 2780.8 | " | E. by S. | 4 | | | 29-96 | 81 | 80 | 76 | 78 | " | " | 7 | " |
| 3 | 7 | 1 | 2787.8 | " | " | 4 | | | 29-95 | 81 | 80 | 76 | 78 | " | " | 7 | " |
| 4 | 6 | 7 | 2794.4 | " | " | 4 | | | 29-94 | 81 | 80 | 76 | 78 | " | " | 6 | " |
| 5 | 7 | 0 | 2801.4 | " | E.S.E. | 5 | | | 29-94 | 81 | 79 | 75 | 78 | " | " | 7 | " |
| 6 | 7 | 0 | 2808.4 | " | S.E. by E | 5 | | | 29-96 | 81 | 79 | 76 | 78 | " | " | 7 | " |
| 7 | 6 | 6 | 2815.0 | " | S.E. | 4 | | | 29-96 | 81 | 79 | 75 | 78 | " | " | 9 | " |
| 8 | 6 | 2 | 2821.2 | " | " | 4 | | | 29-97 | 81 | 78 | 75 | 78 | " | " | 9 | " |
| 9 | 6 | 6 | 2827.7 | " | " | 4 | | | 30-03 | 82 | 78 | 75 | 77 | " | " | 6 | " |
| 10 | 7 | 0 | 2834.2 | " | " | 4 | | | 30-03 | 82 | 78 | 75 | 77 | " | " | 7 | " |
| 11 | 6 | 4 | 2840.5 | " | " | 4 | | | 30-03 | 81 | 78 | 75 | 77 | " | " | 7 | " |
| Mid. | 6 | 4 | 2846.5 | " | " | 4 | | | 30-03 | 82 | 77 | 74 | 77 | " | " | 7 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, January 31, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 A.M.
Fair and pleasant, stiff to moderate breeze from E by S. Course N. N.E. Plain sail to royals except maintrysail and spanker. Set flying jib, and took in spanker.

W. N. Graham Asst.
Ensign U.S.N.

4 to 8 A.M.
Fair. Moderate E by S. breeze.

W. O. Hulme
Ensign U.S.N.

8 A.M. to Meridian.
Fair. Moderate breezes from E by S and E.S.E. At 9h 30m mustered at quarters and drilled divisions as follows. 1st division great guns; 2d division oral instruction; 3d division great guns; Powder division stations. A board of survey condemned the following articles in Pay Department and on recommendation of board, by order of Commanding Officer threw them overboard. 6 lbs Canned Meat; 6 lbs Tomatoes.
The Commanding Officer awarded the following punishment — Schedstrate D.S.H. (Ds) Disobedience of orders — extra duty 2 mid watches. Changed course at 12 to N. by E. Set mizzen topmast staysail. Ship under all sail except maintrysail and spanker.

C. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Moderate breeze from E.S.E. to E by S. Long swell from S.S.E. Steering a course N. by E. At 1h hauled down mizzen topmast staysail. Inspected dry gun-cotton

Jno. Lee Solomon
Lieut U.S.N.

4 to 6 P.M.
Clear and pleasant, stiff breeze from E.S.E. to S.E. by E. Moderate sea and long S.E. by swell. At 5h 45m mustered at quarters

F. M. Wilcox
Lieut U.S.N.

6 to 8 P.M.
Clear and pleasant. Bright moonlight barometer steady moderate breeze from S.E. Set spanker.

N. J. Hunter
Lieut U.S.N.

8 P.M. to Midnight.
Clear and fine, moderate breeze from S.E. Course N by E. Plain sail to royals, with main topmast staysail.

W. N. Graham Asst.
Ensign U.S.N.

Examined and found to be correct.

Approved
W. W. Mead
Comdr. Comdg.

A. K. Lucas
Lieut, Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Steel, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 0 | 2852.5 | N. by E | S.E. by E. | 4 | | | 29.98 | 80 | 78 | 74 | 77 | b.c. | cir. cum | 4 | S. |
| 2 | 6 | 5 | 2859.0 | " | " | 4 | | | 29.96 | 79 | 78 | 74 | 77 | " | " | 5 | " |
| 3 | 6 | 3 | 2865.0 | " | S.E. | 4 | | | 29.96 | 79 | 78 | 75 | 77 | " | " | 5 | " |
| 4 | 6 | 0 | 2871.0 | " | " | 4 | | | 29.96 | 78 | 78 | 75 | 77 | " | " | 5 | " |
| 5 | 6 | 4 | 2877.2 | " | " | 4 | | | 29.96 | 78 | 78 | 75 | 77 | b.c. | cir. cum. | 4 | W |
| 6 | 6 | 3 | 2883.0 | " | " | 4 | | | 29.98 | 78 | 78 | 75 | 79 | b.c. | " | 5 | " |
| 7 | 5 | 9 | 2889.0 | " | " | 4 | | | 30.00 | 79 | 78 | 75 | 79 | " | " | 6 | " |
| 8 | 5 | 7 | 2894.6 | " | " | 3 | | | 30.03 | 80 | 79 | 76 | 79 | " | " | 6 | " |
| 9 | 6 | 0 | 2900.4 | " | " | 3 | | | 30.03 | 80 | 79 | 76 | 79 | b.c. | " | 4 | W.S. |
| 10 | 6 | 6 | 2907.0 | " | " | 4 | | | 30.03 | 80 | 80 | 77 | 79 | b.cum | " | 5 | " |
| 11 | 6 | 6 | 2913.6 | " | " | 4 | | | 30.01 | 80 | 81 | 77 | 79 | " | " | 5 | " |
| Noon. | 6 | 8 | 2920.2 | " | " | 4 | | | 29.99 | 80 | 81 | 77 | 79 | " | " | 5 | " |

Course and distance made good since preceding noon by observations, N. 13° W. 153 knots. tenths.

Position at Noon:
- Latitude by D. R. — S. 4 ° 22' 16"
- Longitude by D. R. — W. 27 ° 48' 37"
- Latitude by observations of ⊙ — S. 4 ° 26' 04"
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 28 ° 06' 59"

Position at 8 a. m.:
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.:
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 7 tenths per hour, setting to the W. 12° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N. by E W. 17° 54' "

Water expended during the preceding 24 hours, 228½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 19 59½ "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 115 " 1475 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.30 | 3 | 5 | 2923.5 | N by E. | | | | | | | | | | | | | |
| 1 | 2 | 3 | 2926.8 | North. | S.E. | 3 | | | 29.97 | 81 | 82 | 77 | 79 | b.cm | cir. cum. | 6 | W |
| 2 | 6 | 2 | 2932.0 | " | " | 4 | | | 29.96 | 81 | 81 | 77 | 79 | " | " | 6 | " |
| 3 | 6 | 0 | 2938.0 | " | " | 4 | | | 29.94 | 81 | 81 | 77 | 79 | " | " | 6 | " |
| 4 | 6 | 2 | 2944.0 | " | " | 4 | | | 29.92 | 81 | 81 | 77 | 79 | " | " | 6 | " |
| 5 | 5 | 5 | 2949.5 | " | S by E. | 3 | | | 29.95 | 81 | 81 | 77 | 79 | b.c. | | 5 | S |
| 6 | 5 | 8 | 2955.5 | " | South | 4 | | | 29.97 | 81 | 81 | 77 | 79 | " | cir. cum. | 7 | " |
| 7 | 6 | 0 | 2961.5 | " | " | 4 | | | 29.98 | 82 | 81 | 78 | 79 | " | " | 4 | " |
| 8 | 6 | 0 | 2967.5 | " | S.S.E. | 4 | | | 30.00 | 83 | 81 | 78 | 79 | " | " | 4 | " |
| 9 | 6 | 0 | 2973.5 | " | " | 4 | | | 30.02 | 81 | 80 | 77 | 78 | " | " | 4 | " |
| 10 | 6 | 1 | 2979.6 | " | " | 4 | | | 30.03 | 82 | 80 | 77 | 78 | " | " | 4 | " |
| 11 | 6 | 2 | 2985.6 | " | SE. by S. | 4 | | | 30.12 | 80 | 79 | 76 | 78 | " | " | 7 | " |
| Mid. | 6 | 2 | 2991.3 | " | | 4 | | | 30.00 | 80 | 79 | 76 | 78 | " | " | 7 | " |

under the command of H. W. Mead Commander, U. S. Navy,

Wednesday, February 1st, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Cruistil 4 P.M.

Fair. Moderate breeze from S.S.E by E. to S.E. Under all sail except Main topsail & Mizzen topmast staysail Hoist 1st lighted steamer standing to S. & W.d.

Hauled down fore topmast staysail & flying jib. Hoist 3d lighted by the wind for 10 minutes to clear a barque standing to N. & W.d

W. O. Holmes
Ensign U.S.N.

4 to 8 P.M.

Partially cloudy: passing showers first hour. gentle and moderate breezes from S.E. Ship under plain sail to royals except flying jib main topmast staysail. Took in spanker.

Chas. Gill Wise
Ensign U.S.N.

8 P.M. to Meridian.

Hazy. Pleasant. Gentle to moderate breeze from S.E. Long swell from S.S.E. Steering a course S. by E. At 9.20 mustered at quarters and had battalion drill. At 10.15 hauled up weather clew of main sail. The Quarterly Board of Inspection counted the money in hands of the Paymaster.

H. Ensign W. Holman
Lieut. U.S.N.

Meridian to 4 P.M.

Partly cloudy, warm and pleasant. Hazy. Gentle to moderate breeze from S.E. Moderate sea and S.E. by E. swell. A Board of Survey composed of Lieut. W. H. Holman, & Ensign H. H. Field, & C. F. Stone, U.S.N. held a survey on certain articles in Equipment & Construction Departments.

W. H. Harrison
Lieut. U.S.N.

4 to 6 P.M.

Clear and pleasant. Barometer steady. gentle to moderate breeze from S by E and S. Hauled up lee clew of mainsail.

W. T. Hunter
Lieut. U.S.N.

6 to 8 P.M.

Fair and pleasant. Moderate breeze from S to S.S.E. Course North. Ship under jib and all square sail with mainsail.

W. H. Mason Field.
Ensign U.S.N.

8 P.M. to Midnight.

Generally clear. Moderate breeze from S.S.E. to S.E. by S.

W. O. Holmes
Ensign U.S.N.

Examined and found to be correct.

H. K. Hewett
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 6 | 2997.2 | North | S.E. | 4 | | | 29-99 | 80 | 79 | 76 | 78 | lc. | cum/nim. | 6 | M. |
| 2 | 6 | 0 | 3002.8 | " | " | 4 | | | 29-95 | 80 | 79 | 76 | 78 | " | " | 6 | " |
| 3 | 6 | 4 | 3008.5 | " | " | 4 | | | 29-96 | 79 | 78 | 76 | 78 | " | " | 4 | " |
| 4 | 6 | 0 | 3014.5 | " | " | 4 | | | 29-95 | 79 | 78 | 76 | 78 | " | " | 4 | " |
| 5 | 6 | 2 | 3020.5 | " | " | 4 | | | 29-95 | 80 | 78 | 76 | 78 | " | " | 6 | M.S. |
| 6 | 6 | 4 | 3026.7 | " | " | 4 | | | 29-96 | 79 | 78 | 76 | 78 | " | " | 5 | " |
| 7 | 6 | 6 | 3033.5 | " | " | 4 | | | 29-97 | 80 | 78 | 76 | 78 | b.cu | cir. cum. nim. | 7 | " |
| 8 | 6 | 4 | 3040.0 | " | " | 4 | | | 29-99 | 80 | 79 | 76 | 78 | bcp. | " | 4 | " |
| 9 | 6 | 5 | 3046.8 | " | " | 4 | | | 30-01 | 80 | 79 | 76 | 78 | bc. | cir. cum. | 7 | " |
| 10 | 6 | 2 | 3052.8 | " | " | 4 | | | 30-00 | 80 | 80 | 77 | 78 | " | " | 7 | " |
| 11 | 6 | 0 | 3058.8 | " | " | 4 | | | 30-00 | 81 | 81 | 77 | 78 | " | " | 7 | " |
| Noon. | 6 | 0 | 3064.4 | " | " | 4 | | | 29-98 | 81 | 81 | 78 | 78 | " | " | 6 | " |

Course and distance made good since preceding noon by observations; N. 25° W. 149 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 2 ° 07 ' 58 "
- Longitude by D. R. — W 28 ° 48 ' 11 "
- Latitude by observations of ⊙ — S 2 ° 10 ' 42 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 29 ° 13 ' 06 "

Position at 8 a. m.:
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.:
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, / knots .4 tenths per hour, setting to the W. 6° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. " N. W 16 ° 22 "

Water expended during the preceding 24 hours, 229½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1730 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 115 " 275 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 5 / 2 5 | 3067.9 / 3070.4 | North. / N. ½ E. | S.E. ½ S. | 4 | | | 29-95 | 81 | 82 | 79 | 78 | b.cu | cir. cum. | 8 | M. |
| 2 | 5 9 | 3076.3 | " | " | 4 | | | 29-92 | 81 | 82 | 78 | 78 | " | " | 8 | " |
| 3 | 6 0 | 3082.3 | " | " | 4 | | | 29-90 | 81 | 81 | 79 | 78 | " | " | 9 | " |
| 4 | 6 2 | 3088.5 | " | " | 4 | | | 29-90 | 81 | 81 | 78 | 78 | " | " | 9 | " |
| 5 | 6 0 | 3094.5 | " | " | 4 | | | 29-89 | 80 | 80 | 77 | 78 | " | " | 7 | " |
| 6 | 5 6 | 3099.5 | " | " | 3 | | | 29-93 | 81 | 80 | 77 | 78 | " | " | 4 | " |
| 7 | 4 8 | 3104.3 | " | " | 3 | | | 29-96 | 82 | 79 | 77 | 78 | " | " | 4 | " |
| 8 | 5 2 | 3109.5 | " | " | 3-4 | | | 29-97 | 82 | 80 | 77 | 78 | bc.cp. | " | 3 | " |
| 9 | 3 0 | 3112.5 | " | E.S.E. | 1 | | | 29-98 | 81 | 79 | 77 | 78 | " | cir. cum. nim. | 5 | S. |
| 10 | 3 8 | 3116.0 | " | " | 2 | | | 29-99 | 81 | 79 | 77 | 78 | bc. | cir. cum. | 6 | " |
| 11 | 4 4 | 3120.0 | " | " | 2 | | | 29-99 | 81 | 79 | 76 | 78 | " | " | 6 | " |
| Mid. | 3 4 | 3124.0 | " | S.E. | 2 | | | 29-99 | 81 | 79 | 76 | 78 | " | " | 5 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday, February 2, 1873.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy. Moderate breeze from S.E. Ship under all square sail except mainsail; and jib. At 3.30 set lee clew of mainsail. I. H. Schelstraete (Lds) stood extra watch by order of Commanding Officer.

C. M. Stone
Ensign U.S.N.

4 o'clock to 8 A.M.

Generally clear and pleasant, but cloudy last hour with a passing shower and hazy around horizon. Moderate breeze from S.E. Long swell from S.E. by S. Steering a course North. Passed two barques, close hauled on the port tack.

Jno. Lee Holman
Lieut. U.S.N.

8 A.M. to Meridian.

Partly cloudy, warm, hazy and sultry. Moderate breeze from S.E. Moderate sea - long swell - At 7.38 went to general quarters 1st division ready in 2 m.; 2d division in 4 m. 10 s.; 3d division in 2 m. 30 s.; Cowder in 2 m. 40 s.; Navigator's in 1 m. 30 s.; Engineer's in 1 m. 25 s.; Surgeon's in 1 m. 50 s.; Paymaster's 1 m. 10 s.; and Marine Guard in 1 m. 15 s. A barque in sight standing to the Sd and Wd on port tack.

F. A. Wilner
Lieut. U.S.N.

Meridian to 4 P.M.

Clear and pleasant - moderate sea on starboard quarter. Moderate breeze from S.E. by S. Barometer falling. At 12.35 changed course to N. 1/2 E. Set weather clew of mainsail and flying jib.

J. M. Newton
Lieut. U.S.N.

4 to 6 P.M.

Clear and fine. Moderate breeze from S.E. by S. Course N 1/2 E. Hauled down flying jib and hauled up weather clew of mainsail. Passed two sailing vessels standing to Wd. - One of them made a signal which could not be read, and we made our longitude in reply.

W. Ingraham Kell
Ensign U.S.N.

6 to 8 P.M.

Cloudy. Gentle to moderate S.E. by S breeze. At about five minutes of eight - wind hauled with slight rain squall and braced up.

W. O. Hulme
Ensign U.S.N.

8 P.M. to Midnight.

Cloudy - passing rain squalls first hour. Light airs and breezes from E.S.E and S.E. Ship under jib and all square sail. At 8.30 took in mainsail and started fires in two boilers.

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

L. K. Curtis
Lt. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 3 | 9 | 3126.9 | N½E. | SE by SE | 3 | | | 29-96 | 80 | 79 | 77 | 78 | o.c.m | Cum Nim | 0 | M. |
| 2 | 6 | 0 | 3131.8 | " | " | 3 | | | 29-95 | 80 | 79 | 77 | 78 | " | " | 0 | " |
| 3 | 6 | 5 | 3138.4 | " | " | 4 | | | 29-93 | 79 | 78 | 76 | 78 | bam | " | 6 | " |
| 4 | 8 | 3 | 3146.8 | " | " | 4 | | | 29-93 | 79 | 78 | 76 | 78 | " | " | 2 | " |
| 5 | 8 | 5 | 3155.3 | " | S.E. | 4 | | | 29-93 | 79 | 78 | 76 | 78 | " | " | 6 | " |
| 6 | 9 | 0 | 3164.5 | " | " | 4 | | | 29-91 | 79 | 78 | 76 | 78 | " | " | 3 | " |
| 7 | 9 | 2 | 3173.5 | " | " | 4 | | | 29-93 | 79 | 78 | 76 | 78 | " | " | 1 | " |
| 8 | 9 | 0 | 3182.3 | " | " | 4 | | | 29-97 | 80 | 78 | 76 | 78 | " | " | 3 | " |
| 9 | 7 | 0 | 3189.5 | " | S by E | 4 | | | 29-99 | 80 | 79 | 76 | 78 | " | " | 3 | " |
| 10 | 6 | 0 | 3195.0 | " | " | 4 | | | 29-98 | 81 | 80 | 77 | 78 | " | " | 3 | " |
| 11 | 5 | 6 | 3200.6 | " | " | 3 | | | 29-98 | 81 | 80 | 77 | 78 | " | " | 3 | " |
| Noon. | 5 | 6 | 3206.2 | " | " | 4 | | | 29-98 | 81 | 80 | 77 | 78 | " | " | 2 | " |

Course and distance made good since preceding noon by observations, N. 20°, W. 147 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 0 ° 07′ 42″
- Longitude by D. R. — W. 29 ° 40′ 48″
- Latitude by observations of ⊙ — N. 0 ° 07′ 44″
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 30 ° 04′ 27″

Position at 8 a. m.
- Latitude by — ° ′ ″
- Longitude by — ° ′ ″

Position at 8 P. M.
- Latitude by — ° ′ ″
- Longitude by — ° ′ ″

Current during the time, / knots 0 tenths per hour, setting to the W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at 8 AM. " N ½ E W. 16° 27′ ″

Water expended during the preceding 24 hours, 30 2½ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 14 27 ½ "

Coal consumed during the preceding 24 hours, 3 tons 960 lbs.

Coal remaining on hand at Noon, 111 " 1555 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 5 | 3211.5 | N ½ E | S.E. | 4 | 29-98 | 81 | 81 | 77 | 79 | h.c. | cir. cum | 2 | L.S. |
| 2 | 5 | 3 | 3216.8 | " | " | 4 | 29-96 | 81 | 82 | 76 | 79 | " | " | 3 | " |
| 3 | 4 | 2 | 3221.2 | " | " | 3 | 29-95 | 81 | 81 | 76 | 79 | " | " | 2 | " |
| 4 | 3 | 5 | 3225.3 | " | " | 3 | 29-95 | 81 | 81 | 78 | 79 | " | " | 1 | " |
| 5 | 4 | 2 | 3229.5 | " | " | 3 | 29-95 | 80 | 81 | 78 | 79 | " | " | 1 | " |
| 6 | 8 | 2 | 3238.1 | " | " | 3 | 29-93 | 82 | 81 | 78 | 79 | " | " | 1 | " |
| 7 | 9 | 0 | 3246.9 | " | " | 3 | 29-96 | 82 | 80 | 78 | 79 | h.c. | " | 1 | " |
| 8 | 8 | 6 | 3255.0 | " | " | 3 | 29-98 | 82 | 80 | 78 | 79 | " | " | 2 | " |
| 9 | 8 | 6 | 3263.2 | " | S.E. by S. | 4 | 30-01 | 82 | 81 | 78 | 78 | o.c.m | Cum Nim | 0 | " |
| 10 | 8 | 2 | 3271.1 | " | S.S.E | 4 | 30-01 | 83 | 81 | 78 | 78 | " | " | 0 | " |
| 11 | 8 | 4 | 3279.3 | " | " | 4 | 30-01 | 81 | 79 | 77 | 78 | " | " | 0 | " |
| Mid. | 8 | 5 | 3287.2 | " | " | 4 | 29-99 | 80 | 79 | 77 | 75 | " | " | 0 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday February 3, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced until 4 A.M.

Hazy. Overcast first part and generally cloudy latter part, lower stratum of clouds coming from S.E., upper stratum from N.E. Gentle to moderate breeze from S.E. by E. Steering a course N½E Coupled the propeller and at 1.10 started the engines. At 1.20 stopped to adjust the low pressure water valves and uncoupled the propeller. At 1.50 huffed to couple the propeller and at 2.15 stood away on the course and started the engines again. Average steam 72; revolutions 43.2.

H

Jno. F. Hoffman
Lieut. U.S.N.

4 to 8 A.M.

Generally cloudy but pleasant. Moderate breeze from S.E. Moderate sea. Set main topsail and main-topmast-staysail. At daylight sighted a barkentine standing to the S'd, W'd, on port tack. Steam 72 lbs. Revolutions 45.6.

W.

F. A. Wilcox
Lieut. U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant - barometer steady - gentle to moderate breeze from S. by E. At 8.45 uncoupled propeller and banked fires. At 9.30 quarters - 2d Company, Infantry - 3d, Artillery - Reserves, Gatling-gun - Marine guard & bayonet-exercise. Hauled down mizzen-top staysail. Practiced the quartermasters for one hour with international signals. At 11. sighted a Norwegian barque standing close hauled to S'd and W'd. Exchanged colors with her.

W.

J. J. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy. Moderate to gentle breeze from S.E. Course N½E. Exercised the 2nd & 3d Companies of the watch at setting up drill and the apprentice boys at signalling. Took in main try-sail. Spread fires.

F. W. Rayburn Jr.
Ensign U.S.N.

4 to 6 P.M.

Overcast. Gentle S.E. breeze. At 4.25 took in royals and hove to for the propeller to be coupled and filled away again at 4.35. At 4.40 started steaming full speed and set royals. Steam 71; Average Revolutions 44.

W. O. Hustace
Ensign U.S.N.

6 to 8 P.M.

Cloudy. Lightning around horizon; gentle breezes from S.E. Ship under jib and all square sail except mainsail, Steaming with two boilers. Average steam 72; Average revolutions 45.

C.M.

C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight.

Overcast. Hazy. Moderate breeze from S.E. by S. to S.S.E. Steering a course N½E. Average steam 69. Revolutions 43.5

H

Jno. F. Hoffman
Lieut. U.S.N.

Examined and found to be correct.

L. K. Reynolds
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Steam, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 8 | 1 | 3295.3 | N. ½ E | S.S.E. | 3 | | | 29-97 | 80 | 79 | 77 | 78 | b.c. | cir. cum | 8 | M.S. |
| 2 | 7 | 8 | 3302.7 | " | " | 3 | | | 29-96 | 81 | 80 | 77 | 78 | " | " | 3 | " |
| 3 | 7 | 6 | 3310.3 | " | " | 3 | | | 29-96 | 80 | 80 | 77 | 78 | o.c.p.l. | cir. cum. nimi | 0 | " |
| 4 | 7 | 0 | 3317.3 | " | " | 2 | | | 29-96 | 78 | 78 | 76 | 78 | o.c.n. | " | 0 | " |
| 5 | 6 | 4 | 3323.7 | " | Variable. | 2 | | | 29-96 | 78 | 74 | 73 | 78 | o.c.gt. | cum nimi. | 0 | " |
| 6 | 6 | 8 | 3330.5 | " | " | 1 | | | 29-98 | 78 | 75 | 74 | 78 | o.c.n. | " | 0 | " |
| 7 | 6 | 8 | 3337.3 | " | S. by E. | 1 | | | 29-98 | 77 | 75 | 73 | 78 | " | cum nimi. str. | 0 | " |
| 8 | 6 | 7 | 3344.0 | " | " | 1 | | | 29-99 | 77 | 75 | 73 | 78 | b.c. | " | 1 | " |
| 9 | 6 | 0 | 3350.0 | " | " | 1 | | | 30-00 | 79 | 76 | 74 | 78 | " | " | 4 | " |
| 10 | 3 | 2 | 3353.0 | " | S.E. | 1 | | | 29-99 | 78 | 76 | 74 | 78 | " | " | 5 | " |
| 11 | 6 | 6 | 3359.6 | " | " | 1 | | | 29-99 | 79 | 77 | 75 | 78 | " | " | 5 | " |
| Noon. | 6 | 4 | 3366.0 | " | N.E. by E | 1 | | | 29-99 | 79 | 78 | 75 | 78 | " | " | 6 | " |

Course and distance made good since preceding noon by observations, N. 14°; W. 162 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 2° 45' 14"
- Longitude by D. R. W. 30° 35' 35"
- Latitude by observations of ⊙ N. 2° 45' 17"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 30° 43' 26"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 3 tenths per hour, setting to the W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N ½ E W 16° 01' "

Water expended during the preceding 24 hours, 343 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1084½ "

Coal consumed during the preceding 24 hours, 7 tons 400 lbs.

Coal remaining on hand at Noon, 104 " 1155 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 1 | 3372.1 | N.N.W. | E.S.E. | 2 | | | 29-98 | 81 | 80 | 76 | 80 | b.c. | cir cum | 4 | S |
| 2 | 6 | 8 | 3378.9 | " | " | 2 | | | 29-97 | 81 | 80 | 76 | 80 | " | " | 4 | " |
| 3 | 6 | 8 | 3385.7 | " | " | 2 | | | 29-97 | 81 | 80 | 76 | 80 | " | " | 4 | " |
| 4 | 6 | 6 | 3392.3 | " | " | 2 | | | 29-95 | 82 | 81 | 77 | 80 | " | " | 3 | " |
| 5 | 6 | 0 | 3398.7 | " | " | 1 | | | 29-93 | 82 | 81 | 77 | 80 | " | " | 3 | " |
| 6 | 6 | 8 | 3405.5 | " | N.W. by N. | 1 | | | 29-93 | 81 | 81 | 77 | 80 | " | " | 3 | " |
| 7 | 7 | 0 | 3412.5 | " | NW. | 1 | | | 29-98 | 82 | 81 | 77 | 80 | " | " | 4 | L.S. |
| 8 | 6 | 8 | 3419.4 | " | " | 1 | | | 29-98 | 82 | 80 | 77 | 80 | " | " | 4 | " |
| 9 | 6 | 5 | 3425.9 | " | N. by W. | 1 | | | 30-02 | 82 | 79 | 77 | 80 | b.c. | " | 2 | " |
| 10 | 6 | 5 | 3432.8 | " | " | 1 | | | 30-03 | 82 | 79 | 76 | 79 | " | " | 1 | " |
| 11 | 6 | 6 | 3439.2 | " | " | 3 | | | 30-03 | 81 | 78 | 75 | 79 | c.p. | " | 0 | " |
| Mid. | 6 | 6 | 3446.0 | " | N. by E. | 3 | | | 30-01 | 80 | 78 | 76 | 79 | b.c.p. | " | 4 | " |

under the command of W. H. Mead, Commander, U. S. Navy,

Saturday, February 4, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Quntil 4 A.M.

Cloudy, but pleasant till 3.45 Gentle to light breeze from S.S.E., till 3.45 when wind shifted to E.N.E. in a very hard rain squall. Clewed up all square sail. At end of watch, under steam, 2 boilers. Average steam 73. Revolutions 41.6.

W. Harris
Lieut. U.S.N.

4 to 8 A.M.

Overcast - raining hard first part of watch - barometer steady. Wind variable - latter part S. by E. Furled square sail, hauled down jib - Set flying jib, jib - m top staysail, m trysail Average revolutions 40.2 Average pressure 72 lbs.

W. J. Newton
Lieut. U.S.N.

8 AM to Meridian.

Fair and pleasant. Light airs from S by E° to N.E by E. Course N½E. until Noon when it was changed to N.N.W. Made all square sails except mainsail - At 9.00 stopped engines for one half hour to set up side rod nut - Average revolutions 34.8. Average steam 64.5.

W. B. Grant Field
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy and warm. Light breeze from E.S.E. At 1.03 started fire in distilling boiler. At 3.38 took in and began to furl sail. Average Revolutions 39.2 -; Steam 73 lbs.

W. O Barlow
Ensign U.S.N.

4 to 6 P.M.

Cloudy. Light airs from E.S.E. & N.W. by N. At 5.45 went to fire quarters times as follows 1st stream in 1m, 05s; 2d stream 1m, 10s; 3d stream 1m, 15s; 4th stream in 2m 40s; The Quarterly Board of Survey in Pay Department, condemned 4 lbs sausages meat - 2 lbs roast mutton 1½ lbs. pickles and by order of Commanding Officer Threw them overboard - Steaming with two boilers. Average steam 72 - Average revolutions 39. Started distiller.

Chas. W. Stone
Ensign U.S.N.

6 o'clock to 8 P.M.

Cloudy - Light airs from N.W. Steering a course N.N.W. Average steam 70; revolutions 40.7.

H. Hugh F. W. Kohlman
Lieut. U.S.N.

8 P.M. to Midnight.

Cloudy with occasional very light passing showers. Moon light last half hour. Light airs to gentle breeze from N by W to N.E. Smooth sea. Average steam 71. Revolutions 40.

W. T. H. Wilson
Lieut. U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage to the United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 5 | 8 | 3451.8 | N.N.W. | N. by E. | 2 | | | 30-00 | 80 | 78 | 76 | 78 | o.c. | Cum. Strat. | 0 | S. |
| 2 | 6 | 0 | 3457.8 | " | " | 3 | | | 29-98 | 79 | 78 | 75 | 78 | " | " | 0 | " |
| 3 | 6 | 2 | 3464.0 | " | North. | 3 | | | 29-98 | 79 | 78 | 75 | 78 | " | " | 0 | " |
| 4 | 6 | 0 | 3470.0 | " | " | 3 | | | 29-96 | 79 | 78 | 76 | 78 | " | " | 1 | " |
| 5 | 5 | 8 | 3475.7 | " | N.N.E. | 3 | | | 29-97 | 78 | 77 | 75 | 78 | o.c. fr | Strat. Cir. | 0 | m |
| 6 | 6 | 4 | 3482.0 | " | " | 3 | | | 29-98 | 78 | 76 | 74 | 78 | b.c.fr. | Cum. Strat. Cir. | 1 | " |
| 7 | 6 | 5 | 3488.5 | " | " | 3 | | | 30-00 | 78 | 76 | 74 | 78 | f.c. | " | 3 | " |
| 7.40 | 4 | 2 | | " | | | | | | | | | | | | | |
| 8 | 2 | 6 | 3495.5 | N.W. by N. | N. by E. | 3 | | | 30-02 | 78 | 76 | 75 | 78 | " | " | 4 | " |
| 9 | 7 | 5 | 3503.0 | " | N.N.E. | 3 | | | 30-05 | 78 | 77 | 75 | 79 | b.c.z. | " | 5 | " |
| 10 | 7 | 5 | 3510.5 | " | N.E. | 3 | | | 30-05 | 78 | 77 | 75 | 79 | " | cir. cum. | 5 | S. |
| 11 | 7 | 7 | 3518.3 | " | " | 3 | | | 30-05 | 79 | 78 | 75 | 79 | " | " | 4 | " |
| Noon. | 8 | 5 | 3526.8 | " | " | 4 | | | 30-00 | 78 | 77 | 75 | 79 | " | " | 2 | " |

Course and distance made good since preceding noon by observations, N. 38° W. 156 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 4 ° 44 ' 35 "
- Longitude by D. R. — W 32 ° 29 ' 02 "
- Latitude by observations of ⊙ — N 4 ° 47 ' 39 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 32 ° 19 ' 57 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 4 tenths per hour, setting to the E. 18° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 am " N.W. by N. W. 16 ° 29 ' "

Water expended during the preceding 24 hours, 328 gallons.

Water distilled. during the preceding 24 hours, 1148 "

Water remaining on hand fit for use at Noon, 1904 "

Coal consumed during the preceding 24 hours, 9 tons 1760 lbs.

Coal remaining on hand at Noon, 94 " 1635 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 0 | 3533.1 | N.W. by N. | N.E. | 3 | | | 29-99 | 78 | 78 | 75 | 79 | b.c.m. | cir. cum. | 6 | m |
| 2 | 3 | 3 | 3536.1 | " | " | 3 | | | 29-97 | 78 | 74 | 74 | 79 | " | " | 5 | " |
| 3 | 3 | 9 | 3540.0 | " | " | 3 | | | 29-95 | 79 | 74 | 74 | 79 | " | " | 5 | " |
| 4 | 3 | 7 | 3543.7 | " | " | 3 | | | 29-95 | 79 | 74 | 74 | 79 | " | " | 5 | " |
| 5 | 4 | 2 | 3547.3 | " | " | 3 | | | 29-97 | 79 | 74 | 74 | 79 | " | " | 3 | " |
| 6 | 4 | 4 | 3551.4 | " | " | 3 | | | 29-97 | 80 | 74 | 74 | 79 | " | " | 3 | " |
| 7 | 3 | 8 | 3554.8 | " | " | 3 | | | 29-99 | 81 | 74 | 74 | 79 | " | " | 3 | " |
| 8 | 3 | 8 | 3558.3 | " | " | 3 | | | 30-00 | 81 | 74 | 74 | 79 | " | " | 1 | " |
| 9 | 4 | 5 | 3562.8 | N.W. 3/4 N. | " | 4 | | | 30-03 | 80 | 74 | 74 | 79 | " | " | 4 | 5 |
| 10 | 6 | 0 | 3568.5 | N.W. 1/4 N. | N.E. by N. | 4-5 | | | 30-03 | 79 | 76 | 74 | 79 | b.c. | " | 4 | " |
| 11 | 6 | 3 | 3574.8 | N.W. 1/2 N. | N.E. | 4-5 | | | 30-02 | 78 | 76 | 74 | 78 | " | " | 4 | " |
| Mid. | 5 | 6 | 3580.4 | N.W. by N. | N.E. by E. | 4-5 | | | 29-99 | 77 | 76 | 74 | 78 | b.c. | | 1 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday, February 5, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast - occasional moonlight - barometer falling - light to gentle breeze from N by E and N. Long swell from E. Steam alone. Average revolutions 39. Average pressure 73.

N. J. T. Newton
Lieut. U.S.N.

4 to 8 A.M.

Cloudy - gentle breeze from N.N.E. and N. by E. Ship under steam - Set all fore and aft sails except spanker. At 7.40 changed course from N.N.W. to N.W. by N. and set foresail. Average steam 69.5 Average revolutions 38.5.

W. N. Mason Mid.
Ensign U.S.N.

8 A.M. to Meridian.

Cloudy Gentle to moderate breeze from N.N.E. to N.E.. At 9.30 mustered at quarters - and then called all hands to muster and read Articles of War. Mustered Crew. At 10.00 set topsails and at 11.20 topgallant sails - Steam 70 lbs. Revolutions 41.9. Distilling.

W. C. Wilcox
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy and hazy weather. Gentle breezes from N.E. Stopped engines at 12.45 and uncoupled propeller - Set royals. Ship under all sail except mainsail and spanker. Banked fires. Distilling.

C. W. Stone
Ensign U.S.N.

4 o'clock to 6 P.M.

Cloudy. Gentle breeze from N.E. Steering a course N.W. by N. At 5.15 set the spanker. Distilling. Fires banked under two boilers

Geo. F. W. Holman
Lieut. U.S.N.

6 to 8 P.M.

Cloudy - Gentle breeze from N.E. Smooth sea. Steering a course N.W. by N. Distilling. Fires banked under two boilers

W. F. Wilcox
Lieut. U.S.N.

8 P.M. to Midnight.

Cloudy and pleasant. barometer fluctuating. Wind varying between N.E. by N and N.E. by E. variable in force. Took in flying jib, spanker, - main and mizzen top staysails. Hauled fires under two after boilers. Distilling.

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 6 | 3587.1 | N.W. by N. | N.E. by E. | 5 | | | 29-99 | 77 | 75 | 73 | 78 | o.c.m. | cum. str. | 0 | W |
| 2 | 6 | 0 | 3592.6 | " | N.E. | 3-5 | | | 29-98 | 77 | 75 | 73 | 78 | o.c.m.q. | " | 0 | " |
| 3 | 7 | 0 | 3599.6 | " | " | 4-6 | | | 29-94 | 76 | 74 | 72 | 78 | " | cum. nim. | 0 | " |
| 4 | 6 | 1 | 3605.7 | N.W. ½ N. | " | 5 | | | 29-94 | 78 | 75 | 73 | 78 | o.c.m. | " | 0 | " |
| 5 | 5 | 8 | 3611.5 | " | " | 4 | | | 29-96 | 77 | 76 | 74 | 78 | " | " | 0 | " |
| 6 | 5 | 2 | 3616.7 | " | " | 4 | | | 29.98 | 77 | 76 | 74 | 78 | " | " | 0 | " |
| 7 | 6 | 3 | 3623.0 | " | " | 4 | | | 29-99 | 77 | 76 | 74 | 78 | l.c.m. | " | 1 | " |
| 8 | 5 | 8 | 3629.2 | " | " | 4 | | | 30-00 | 77 | 77 | 75 | 78 | " | " | 1 | " |
| 9 | 5 | 3 | 3634.8 | " | " | 4 | | | 30-02 | 78 | 77 | 75 | 78 | o.c.m | " | 0 | " |
| 10 | 5 | 8 | 3640.8 | " | " | 4 | | | 30-02 | 78 | 77 | 73 | 78 | " | " | 0 | " |
| 11 | 6 | 0 | 3647.0 | " | N.E. by E | 4 | | | 30-03 | 79 | 78 | 77 | 78 | o.c.m.d. | " | 0 | " |
| Noon. | 6 | 0 | 3654.0 | " | " | 4 | | | 30-01 | 78 | 78 | 77 | 78 | " | " | 0 | " |

Course and distance made good since preceding noon by observations, W. 34° N. 105 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 6. ° 02' 21"
- Longitude by D. R. W. 34. ° 03' 45"
- Latitude by observations of ⊙ N. 5. ° 45' 47"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 33. ° 47' 14"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 9 tenths per hour, setting to the S. 45° E.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. ½ N. W. 14° 36' "

Water expended during the preceding 24 hours, 325½ gallons.

Water distilled during the preceding 24 hours, 1397 "

Water remaining on hand fit for use at Noon, 2976 "

Coal consumed during the preceding 24 hours, 1 tons 720 lbs.

Coal remaining on hand at Noon, 93 " 915 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 9 | 3659.8 | N.W. ½ N. | N.E. by E. | 4 | | | 30-00 | 79 | 78 | 75 | 79 | o.c.m. | cum. nim. | 0 | W |
| 2 | 5 | 8 | 3666.0 | " | " | 4 | | | 29-98 | 79 | 79 | 75 | 79 | l.c.m. | " | 1 | " |
| 3 | 5 | 1 | 3671.0 | " | " | 3 | | | 29-97 | 80 | 79 | 75 | 79 | " | " | 1 | S.W. |
| 4 | 2 | 2 | 3673.3 | " | " | 3 | | | 29-97 | 80 | 78 | 75 | 79 | " | " | 1 | " |
| | 2 | 1 | 3675.8 | N.W. by N. | | | | | | | | | | | | | |
| 5 | 4 | 5 | 3680.1 | " | " | 3 | | | 29-98 | 79 | 78 | 75 | 79 | o.c.m. | " | 0 | " |
| 6 | 4 | 2 | 3684.0 | " | " | 3 | | | 29-99 | 80 | 78 | 76 | 79 | " | " | 0 | " |
| 7 | 4 | 2 | 3688.2 | " | " | 3 | | | 30-01 | 82 | 78 | 75 | 79 | " | " | 0 | " |
| 8 | 4 | 7 | 3692.9 | " | " | 3 | | | 30-03 | 82 | 78 | 75 | 79 | " | " | 0 | " |
| 9 | 5 | 6 | 3698.5 | " | N.E. | 4 | | | 30-04 | 80 | 78 | 75 | 79 | o.c.c | nim. | 0 | " |
| 10 | 5 | 2 | 3703.5 | " | " | 4 | | | 30-04 | 82 | 78 | 75 | 79 | " | " | 0 | " |
| 11 | 5 | 0 | 3708.2 | " | " | 4 | | | 30-04 | 82 | 77 | 75 | 79 | " | " | 0 | " |
| Mid. | 5 | 0 | 3712.8 | " | " | 3 | | | 30-03 | 80 | 77 | 75 | 79 | " | " | 0 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Monday, February 6, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, gentle to fresh breeze from N.E. by E. and N.E. Course N.W. by N. until 3.00 when it was changed to N.W. ½ N. Took in royals and set main topmast staysail. Distilling.

W. B. Mason Jr.
Ensign U.S.N.

4 to 8 A.M.

Generally overcast and very misty. Moderate breezes from N.E. At 5.42 stopped distilling. Hauled fires and lowered smoke pipe. At 6.30 set royals and at 7.00 set mainsail and took in main topsail

W.O. Barlow
Ensign U.S.N.

8 A.M. to Meridian.

Cloudy and misty. Light drizzling rain at intervals Moderate breezes from N.E. and N.E. by E. At 9.20 mustered at quarters. Set flying jib. At end of watch ship under all plain sail to royals with fore and main topmast staysails. M. J. Hennessey (Machinist) reported expiration of his time of enlistment.

Chas. J. Moore
Ensign U.S.N.

Meridian to 4 P.M.

Misty. Cloudy Moderate to gentle breeze from N.E. by E. At 3.30 changed course to N.W. by N. Exercised the 2d and 3d Companies of the watch in setting up drill and the apprentices of the watch in signalling.

H. Gregg Holman
Lieut. U.S.N.

4 to 6 P.M.

Cloudy and misty. Gentle breeze from N.E. by E. Moderate sea with broken N.E. by E. swell. At 5.45 mustered at quarters.

H. H. Hibbard
Lieut. U.S.N.

6 to 8 P.M.

Overcast and sultry — barometer rising — wind from N.E. by E. gentle and puffy.

or J. T. Newton
Lieut. U.S.N.

8 P.M. to Midnight.

Overcast and raining, moderate to gentle breeze from N.E. Course N.W. by N.

W. B. Mason Jr.
Ensign U.S.N.

Examined and found to be correct.

E. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 4 | 4 | 3717.2 | N.W. ¼ N. | N.E. by N. | 3 | | ½ | 30-01 | 79 | 77 | 75 | 79 | o.c.m.d. | cum. nim. | 0 | S. |
| 2 | 4 | 6 | 3721.8 | N.W. | " | 3 | | ½ | 30-00 | 79 | 77 | 74 | 79 | o.c.m. | " | 6 | " |
| 3 | 5 | 0 | 3726.8 | N.W. by N. | N.E. | 3 | | ½ | 29-98 | 79 | 77 | 75 | 79 | " | " | 0 | " |
| 4 | 5 | 0 | 3731.8 | N.W. ¾ N. | " | 3 | | ½ | 29-98 | 78 | 77 | 75 | 79 | " | " | 0 | " |
| 5 | 4 | 6 | 3736.2 | " | " | 4 | | ½ | 29-98 | 78 | 77 | 75 | 79 | " | " | 0 | " |
| 6 | 5 | 0 | 3741.2 | " | " | 4 | | ½ | 29-99 | 78 | 77 | 75 | 79 | " | " | 0 | " |
| 7 | 5 | 3 | 3746.7 | N.W. by N | " | 4 | | ½ | 30-01 | 79 | 77 | 75 | 79 | " | " | 0 | " |
| 8 | 5 | 6 | 3752.2 | " | N.E. by E. | 4 | | | 30-04 | 79 | 78 | 75 | 79 | " | " | 0 | " |
| 9 | 6 | 2 | 3758.8 | " | " | 3-4 | | | 30-05 | 79 | 78 | 76 | 79 | b.cu. | " | 1 | Ls. |
| 10 | 6 | 2 | 3765.0 | N.W. | N.E. by N | 3-4 | | | 30-05 | 79 | 78 | 76 | 79 | b.cu.d. | " | 1 | " |
| 11 | 6 | 7 | 3771.5 | N.W. by N. | N.E. | 3-4 | | 1/4 | 30-04 | 79 | 77 | 75 | 79 | b.cu. | " | 1 | " |
| Noon. | 7 | 4 | 3779.1 | " | " | 3-4 | | 1/4 | 30-03 | 79 | 77 | 75 | 79 | " | " | 2 | " |

Course and distance made good since preceding noon by observations, W. 25° N. 114 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 6 ° 57' 05"
- Longitude by D. R. W. 35 ° 26' 20"
- Latitude by observations of ⊙ N. 6 ° 33' 30"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 35 ° 30' 41"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, 1 knots tenths per hour, setting to the S. 11° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. " N.W. by N. W. 12° 11' "

Water expended during the preceding 24 hours, 279 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2697 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 93 " 515 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 6 | 3783.5 | N.W. by N. | N.E. | 3 | | ¼ | 30-01 | 79 | 79 | 76 | 79 | b.cu. | cir.cum | 2 | W. |
| 2 | 5 | 5 | 3789.1 | " | " | 4 | | ¼ | 30-00 | 79 | 79 | 76 | 79 | o.c.f.m. | " | | " |
| 3 | 6 | 0 | 3795.7 | " | N.E. by E. | 4 | | ¼ | 29-99 | 79 | 79 | 76 | 79 | o.c.m | " | | " |
| 4 | 6 | 4 | 3801.7 | " | E.N.E. | 4 | | ¼ | 29-99 | 79 | 79 | 76 | 79 | b.cu. | " | | " |
| 5 | 6 | 0 | 3807.7 | " | E by N. | 4 | | | 29-99 | 79 | 79 | 76 | 79 | " | " | 1 | " |
| 6 | 6 | 3 | 3814.0 | " | " | 4 | | | 29-99 | 81 | 79 | 76 | 79 | b.c.f. | " | 1 | " |
| 7 | 7 | 0 | 3821.0 | " | " | 5 | | | 30-01 | 82 | 79 | 76 | 79 | b.c. | " | 1 | " |
| 8 | 7 | 1 | 3828.0 | " | E.N.E. | 5 | | | 30-03 | 81 | 79 | 76 | 79 | " | " | 1 | " |
| 9 | 7 | 0 | 3835.0 | " | " | 4 | | | 30-05 | 81 | 79 | 76 | 79 | b.cu. | " | 5 | " |
| 10 | 7 | 0 | 3842.0 | " | " | 4 | | | 30-05 | 81 | 79 | 75 | 79 | " | " | 7 | " |
| 11 | 7 | 0 | 3849.0 | " | " | 4 | | | 30-05 | 81 | 78 | 75 | 79 | " | " | 7 | " |
| Mid. | 6 | 7 | 3855.7 | " | " | 4 | | | 30-04 | 82 | 78 | 76 | 79 | " | " | 7 | " |

under the command of W. H. Mead, Commander, U. S. Navy,

Tuesday, February 7, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast and misty. Gentle breeze from N.E. by N to N.E. Under main top mast staysail and all plain sail. Course N.W. by N. Full and by.

W. O. Hulme
Ensign U.S.N.

4 to 8 A.M.
Overcast; cloudy and misty. Moderate breezes from N.E., & N.E. by E. Ship under all plain sail except spanker; Also fore and main topmast staysails.

Chas Chilstone
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy - Gentle breeze with moderate puffs from between N by E and N.E. by N. Hazy. Passing drizzle second hour. Steering a course N.W. by N. but headed off to N.W. second hour.
At 9.30 mustered at quarters. At 9.44 called away all boats - Times fitted out and ready for lowering, as follows: - Steam Launch reported ready in 3m 15s; - Sailing Launch in 4m 50s; - 1st Cutter in 4m 15s; - 2d Cutter in 4m 40s; - Whale Boat in 4m 45s; - Gig 4m 25s; - The Commanding Officer adjudged the following punishments - viz - Falvey J.J. (Coal Heaver) Shirking duty - Lying - two days extra duty on Quarter Deck; - Mahoney Jas (Coal Heaver) - Shirking duty - Lying (2) Shirking two days extra duty on Quarter Deck.

H. Gray Gilmans
Lieut. U.S.N.

Meridian to 4 P.M.
Cloudy with passing rain squall about 2. Gentle to moderate breze unsteady both in force and direction - Steering course N.W. by N.

W. H. Wilson
Lieut. U.S.N.

4 to 6 P.M.
Cloudy - barometer steady - moderate breeze from E. by N. Hauled down flying jib. Quarters at 5.45. Pumped out ship.

W. J. Hunter
Lieut. U.S.N.

6 to 8 P.M.
Cloudy; stiff breeze from E by N. and E.N.E. Course N.W. by N.

W. R. Rose Field.
Ensign U.S.N.

8 P.M. to Midnight.
Generally clear - Moderate E.N.E. breeze. At 11.44 went to general quarters time of firing guns as follows. 1st Division 8m 32s; 2d Division 8m 10s; 3d Division 7m; - Navigator 4m; - Marine Guard 6m 10s; Powder Division 5m 10s; - Surgeons Department ready in 1m 52s.

W. O. Hulme
Ensign U.S.N.

Examined and found to be correct.

L. K. Courts
Lt. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 7 | 3862.0 | N.W.½N. | N.E.½E. | 5 | | | 30-03 | 81 | 78 | 75 | 79 | b.c. | cum cum | 4 | Mo. |
| 2 | 8 | 0 | 3869.7 | " | " | 5-6 | | | 30-00 | 80 | 78 | 75 | 79 | b.c.f. | " | 4 | " |
| 3 | 7 | 4 | 3876.8 | " | " | 5-6 | | | 29-99 | 79 | 78 | 75 | 79 | " | " | 6 | " |
| 4 | 7 | 0 | 3883.5 | " | " | 5 | | | 29-98 | 79 | 78 | 75 | 79 | b.c. | " | 7 | " |
| 5 | 7 | 0 | 3890.5 | " | " | 5 | | | 29-98 | 79 | 78 | 75 | 79 | " | " | 1 | Mo. L. |
| 6 | 6 | 7 | 3897.3 | " | " | 5 | | | 30-00 | 79 | 78 | 75 | 79 | o.c.m. | " | 0 | " |
| 7 | 6 | 8 | 3904.2 | " | " | 5 | | | 30-01 | 78 | 78 | 75 | 79 | " | cir cum nim | 0 | " |
| 8 | 6 | 8 | 3911.0 | " | " | 5 | | | 30-04 | 79 | 78 | 75 | 79 | b.c.m. | " | 1 | " |
| 9 | 7 | 0 | 3918.0 | " | N.E. | 5 | | | 30-05 | 80 | 78 | 75 | 79 | b.c. | cum nim | 1 | L.S. |
| 10 | 7 | 0 | 3924.5 | " | " | 5 | | | 30-04 | 80 | 79 | 75 | 79 | " | " | 2 | " |
| 11 | 7 | 5 | 3931.5 | " | " | 5 | | | 30-04 | 80 | 79 | 75 | 79 | b.c.f. | " | 3 | " |
| Noon. | 8 | 5 | 3940.0 | " | " | 5 | | | 30-02 | 79 | 78 | 75 | 79 | " | " | 3 | " |

Course and distance made good since preceding noon by observations, N 55° W. 151 knots. tenths.

Position at Noon:
- Latitude by D. R. — N — 8 ° 20 ' 12 "
- Longitude by D. R. — W — 37 ° 29 ' 23 "
- Latitude by observations of ⊙ — N — 8 ° 01 ' 11 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W — 37 ° 35 ' 36 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 8 tenths per hour, setting to the S. 18° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W.½N. W 12° 33' "

Water expended during the preceding 24 hours, 277 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2420 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 93 " 115 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3943.4 | ~~NW. by N.~~ | | | | | | | | | | | | |
| 1 | 3 | 6 | 3947.1 | N.W. ½ N. | N.E. | 5 | | | 29-99 | 80 | 79 | 74 | 79 | b.c. | cu cum | 5 | N |
| 2 | 4 | 1 | 3954.1 | N.W. by N. | N.E. ½E. | 5 | | | 29-98 | 80 | 79 | 75 | 79 | " | " | 5 | " |
| 3 | 7 | 2 | 3961.3 | " | " | 5 | | | 29-99 | 80 | 79 | 75 | 79 | " | " | 2 | " |
| 4 | 7 | 0 | 3968.2 | " | " | 4 | | | 29-99 | 80 | 79 | 75 | 78 | b.c.m. | " | 2 | " |
| 5 | 7 | 0 | 3975.2 | " | N.E. | 5 | | | 29-99 | 80 | 79 | 75 | 78 | " | " | 4 | " |
| 6 | 6 | 0 | 3981.2 | " | " | 4 | | | 29-99 | 81 | 79 | 75 | 78 | b.c. | cir cum nim | 4 | " |
| 7 | 6 | 9 | 3988.1 | " | " | 5 | | | 30-00 | 81 | 78 | 75 | 78 | " | " | 4 | " |
| 8 | 7 | 0 | 3995.1 | N.W. ¾ N. | " | 5 | | | 30-01 | 81 | 78 | 75 | 78 | " | " | 5 | " |
| 9 | 7 | 7 | 4002.8 | N.W. by N. | " | 6 | | | 30-05 | 81 | 78 | 75 | 78 | " | " | 6 | " |
| 10 | 8 | 0 | 4010.5 | " | " | 6 | | | 30-04 | 81 | 77 | 74 | 78 | " | " | 4 | " |
| 11 | 7 | 6 | 4018.0 | " | " | 6 | | | 30-05 | 81 | 76 | 73 | 75 | " | " | 2 | " |
| Mid. | 7 | 7 | 4025.2 | " | " | 5 | | | 30-04 | 80 | 76 | 73 | 78 | " | " | 4 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Wednesday, February 8, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.

Cloudy and clearing. Stiff to fresh breeze from N.E. by E. Took in and furled royals. At end of watch ship under all square sail to topgallant sails; and jib, fore and main topmast staysails.

C. M. Stone
Ensign U.S.N.

4 o'clock to 8 A.M.

Misty and cloudy. Stiff breeze from N.E. by E. Long swell from N.E. Steering a course N.W. by N. At 7.30 set royals.

Geo. F. W. Holman
Lieut. U.S.N.

8 A.M. to Meridian.

Cloudy with passing showers of very light drizzle last two hours. Stiff breeze from N.E. Took in and furled royals at 11.30 At 9.30 inspected at quarters, and had battalion drill.

F. M. Wise
Lieut. U.S.N.

Meridian to 4 P.M.

Clear - clouding over latter part - barometer steady - fresh to moderate breeze from N.E. and N.E. by E. At 12.30 changed course to N.W. ½ N - at 1.25 to N.W. by N. Set royals at 3.20.

J. T. Newton
Lieut. U.S.N.

4 to 6 P.M.

Cloudy. Moderate to stiff breeze from N.E. Course N.W. by N.

Mustered at quarters. A board of survey, of which Lt. H. H. Curtis, U.S.N. was senior member, surveyed the foretopmast, and found that it would stand for the present.

W. Pitt Mallory Todd.
Ensign U.S.N.

6 to 8 P.M.

Fair. Fresh N.E. breeze hauling somewhat to Nd., during last hour of watch heading ship off course ¼ point.

W. O. Stalnaker
Ensign U.S.N.

8 P.M. to Midnight.

Cloudy. Stiff and fresh breezes from N.E. Took in and furled royals, at end of watch under square sail to topgallant sails, jib, fore and main topmast staysails.

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

H. K. Lewis Jr.
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 8 | 4033.0 | N.W. by N. | N.E. | 5 | | | 30-01 | 78 | 76 | 73 | 78 | b.c.m. | cir. str. | 5 | SW. |
| 2 | 7 | 7 | 4040.8 | " | " | 5 | | | 29-99 | 78 | 76 | 73 | 78 | " | " | 2 | " |
| 3 | 7 | 6 | 4048.4 | " | " | 5 | | | 29-97 | 78 | 76 | 73 | 78 | " | " | 2 | " |
| 4 | 7 | 6 | 4055.5 | " | " | 5 | | | 29-97 | 78 | 76 | 73 | 78 | " | " | 4 | " |
| 5 | 7 | 2 | 4062.7 | " | " | 5 | | ½ | 29-97 | 77 | 75 | 73 | 78 | " | cir. str. nim. | 3 | " |
| 6 | 7 | 1 | 4069.7 | " | " | 5 | | ½ | 29-97 | 77 | 75 | 73 | 78 | " | " | 2 | " |
| 7 | 7 | 0 | 4077.0 | " | " | 5 | | ½ | 30-00 | 77 | 76 | 73 | 77 | " | " | 2 | " |
| 8 | 7 | 0 | 4084.0 | " | " | 5 | | ½ | 30-03 | 77 | 75 | 73 | 77 | " | " | 1 | " |
| 9 | 7 | 0 | 4091.0 | " | N.E. by E. | 5 | | | 30-03 | 77 | 76 | 73 | 77 | " | " | 1 | " |
| 10 | 7 | 2 | 4098.2 | " | " | 5 | | | 30-05 | 78 | 76 | 72 | 77 | " | " | 1 | " |
| 11 | 7 | 0 | 4105.2 | " | " | 5 | | | 30-04 | 78 | 76 | 73 | 76 | " | " | 3 | " |
| Noon. | 8 | 8 | 4114.0 | " | E.N.E. | 4 | | | 30-01 | 78 | 77 | 74 | 76 | " | " | 3 | " |

Course and distance made good since preceding noon by observations, N. 47° W. 176 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 9 ° 53 ' 47 "
- Longitude by D. R. W. 39 ° 48 ' 20 "
- Latitude by observations of ⊙ N. 10 ° 00 ' 17 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 39 ° 46 ' 03 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 2 tenths per hour, setting to the N. 26° E.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. by N. W. 11° 56' "

Water expended during the preceding 24 hours, 265 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2155 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 92 " 1955 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 5 | 4117.5 | N-w-by-N. | | | | | | | | | | | | |
| 1 | 3 | 5 | 4121.0 | N.W. | E.N.E. | 4 | 29-99 | 78 | 77 | 74 | 77 | b.c. | Cumi. str. nim. | 3 | S.S. |
| 2 | 7 | 0 | 4128.0 | " | " | 4 | 29-97 | 78 | 77 | 77 | 77 | " | " | 3 | " |
| 3 | 6 | 8 | 4134.8 | " | " | 4 | 29-96 | 79 | 77 | 74 | 77 | " | " | 1 | " |
| 4 | 6 | 8 | 4141.3 | " | " | 4 | 29-97 | 79 | 77 | 74 | 77 | " | " | 1 | " |
| 5 | 6 | 7 | 4148.0 | " | " | 4 | 29-98 | 79 | 77 | 74 | 77 | o.c.m. | " | 0 | " |
| 6 | 6 | 4 | 4154.4 | " | " | 4 | 29-98 | 80 | 76 | 73 | 77 | " | " | 0 | " |
| 7 | 6 | 6 | 4160.8 | " | " | 4 | 29-99 | 81 | 76 | 73 | 77 | " | " | 0 | " |
| 8 | 7 | 0 | 4168.0 | " | N.E. | 4 | 30-01 | 81 | 76 | 73 | 77 | " | " | 0 | " |
| 9 | 7 | 1 | 4175.2 | " | " | 4 | 30-03 | 81 | 76 | 73 | 76 | b.c.m. | cir. str. | 3 | " |
| 10 | 7 | 5 | 4182.9 | " | " | 4 | 30-04 | 80 | 76 | 73 | 76 | " | " | 4 | " |
| 11 | 8 | 4 | 4190.9 | " | " | 5 | 30-04 | 80 | 76 | 73 | 76 | " | cir. cum. | 4 | " |
| Mid. | 8 | 6 | 4199.0 | " | " | 5 | 30-02 | 78 | 76 | 73 | 76 | " | " | 4 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday February 9, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced this watch until 4 A.M.
Cloudy. Stiff breeze from N.E. Steering a course N.W. by N.

H Geo. F. W. Holman
Lieut. U.S.N.

4 to 8 A.M.
Cloudy. Misty. Stiff breeze from N.E. Steering a course N.W. by N.

W. F. Halsey
Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy and pleasant - barometer fluctuating - fresh to moderate breeze from N.E. by E and E.N.E. From 8h to 11. passing through a number of of tide rips - Temperature of surface water falling. At 9m30 General Quarters - times as follows; 1st Division ready in 2m40s; 2d Division in 2m20s; 3d Division 3m10s; Navigators in 2m; Powder 2m30s; Engineers 1m32s; Marine Guard in 1m45s; Paymasters 1m20s; Surgeons - 30s. At 10m30 set royals, At 11m, flying jib - At 11h0 set clock back 13 minutes.

W. J. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.
Cloudy, moderate breeze from E.N.E. Course until 12m30, N.W. by N, when it was changed to N.W. Pat Log - 17.5. Set mizzen topmast-staysail. Exercised awkward squad - Served out Clothing and Small-stores. Sail-makers gang repairing sails.

W. L. Marvell
Ensign U.S.N.

4 to 6 P.M.
Overcast and misty. Moderate breeze from E.N.E. At 5.45 mustered at quarters.

W. O. Hulme
Ensign U.S.N.

6 to 8 P.M.
Cloudy - Moderate breezes from E.N.E and N.E. At 7.50 hauled down Mizzen topmast staysail. At end of watch, ship under fore and main topmast staysails and all plain sail to royals except spanker.

Coulstone
Ensign U.S.N.

8 P.M. to Midnight.
Generally cloudy - Moderate to stiff breeze from N.E. Steering a course N.W.

H Geo. F. W. Holman
Lieut. U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 8 | 2 | 4207.0 | N.W. | N.E by E | 5 | | | 29-99 | 78 | 76 | 73 | 77 | b.c.m. | Cum. Nimi. | 3 | L.S. |
| 2 | 8 | 4 | 4215.3 | " | " | 5 | | | 29-98 | 78 | 76 | 73 | 77 | " | " | 4 | " |
| 3 | 8 | 0 | 4223.3 | " | " | 5 | | | 29-97 | 78 | 76 | 72 | 77 | " | " | 3 | " |
| 4 | 8 | 0 | 4231.3 | " | " | 5 | | | 29-97 | 78 | 76 | 72 | 77 | " | " | 3 | " |
| 5 | 8 | 2 | 4239.5 | " | " | 5 | | | 29-96 | 78 | 76 | 72 | 77 | " | " | 1 | " |
| 6 | 7 | 0 | 4246.5 | " | E.N.E. | 4 | | | 29-98 | 78 | 76 | 72 | 77 | " | Cir. Cum. Nimi. | 1 | " |
| 7 | 7 | 5 | 4254.0 | " | " | 4 | | | 29-99 | 77 | 76 | 73 | 77 | " | " | 1 | " |
| 8 | 7 | 5 | 4261.5 | " | E by N. | 4 | | | 30-01 | 77 | 76 | 73 | 77 | b.c.m. | " | 0 | M |
| 9 | 8 | 0 | 4269.5 | " | " | 4 | | | 30-05 | 78 | 76 | 73 | 77 | " | " | 0 | " |
| 10 | 7 | 5 | 4277.0 | " | " | 4 | | | 30-06 | 78 | 76 | 73 | 77 | " | " | 0 | " |
| 11 | 7 | 0 | 4284.0 | " | " | 4 | | | 30-07 | 78 | 76 | 73 | 77 | " | " | 0 | " |
| Noon. | 8 | 0 | 4292.0 | " | N.E. | 5 | | | 30-05 | 77 | 75 | 73 | 77 | b.c.f.g. | " | 2 | " |

Course and distance made good since preceding noon by observations, N. 62° W. 184 knots. tenths.

Position at Noon:
- Latitude by D. R. N 11 ° 35' 11"
- Longitude by D. R. W. 39 ° 46' 03"
- Latitude by observations of ⊙ N 11 ° 25' 22"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 42 ° 32' 46"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 7 tenths per hour, setting to the W. 35° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. W. 10°45' "

Water expended during the preceding 24 hours, 256 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1899 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 92 " 1555 "

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 8 | 4298.8 | N.W. | N.E. | 5 | | | 30-02 | 78 | 76 | 73 | 77 | b.c. | cir. cum. | 0 | M. |
| 2 | 6 | 4 | 4305.2 | " | " | 4 | | | 30-01 | 78 | 76 | 73 | 77 | " | " | 0 | " |
| 3 | 6 | 4 | 4311.2 | " | N.E. by E. | 4 | | | 29-98 | 78 | 76 | 73 | 77 | o.c. | Cir. Str. | 0 | " |
| 4 | 6 | 5 | 4317.8 | " | E.N.E. | 4 | | | 30-00 | 78 | 76 | 73 | 77 | o.c.p. | Cir. Cum. Nimi. | 0 | " |
| 5 | 6 | 3 | 4324.2 | " | " | 4 | | | 30-00 | 78 | 76 | 73 | 77 | b.c. | " | 1 | " |
| 6 | 6 | 0 | 4330.2 | " | N.E. | 3 | | | 30-01 | 79 | 76 | 73 | 77 | " | Cir. Cum. Str. | 1 | " |
| 7 | 5 | 8 | 4335.8 | " | | 3 | | | 30-02 | 80 | 76 | 73 | 77 | b.c.f.d. | Cum. Nimi. | 1 | " |
| 8 | 5 | 7 | 4341.2 | " | N.E. by N. | 3 | | | 30-04 | 81 | 76 | 73 | 77 | o.c.p. | " | 0 | " |
| 9 | 6 | 2 | 4348.2 | " | N.E. | 4 | | | 30-04 | 78 | 75 | 72 | 77 | " | " | 1 | " |
| 10 | 7 | 0 | 4354.8 | " | " | 4 | | | 30-04 | 80 | 75 | 72 | 77 | " | " | 0 | " |
| 11 | 7 | 0 | 4361.2 | " | " | 4 | | | 30-05 | 78 | 75 | 73 | 77 | b.c.m. | " | 2 | " |
| Mid. | 6 | 2 | 4367.7 | " | " | 4 | | | 30-05 | 77 | 75 | 72 | 77 | " | " | 4 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday February 10, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy. Moon and stars occasionally visible for short intervals. Misty. Stiff breeze from N.E. by E. Under plain sail to royals and fore and main topmast staysails, except spanker. Steering course N.W.

W. F. Arrison
Lieut. U.S.N.

4 to 8 A.M.

Cloudy or overcast - barometer rising slowly, fresh to moderate breeze from N.E. by E., E.N.E., and E by N. Moderate sea.

N. J. T. Hunter
Lieut. U.S.N.

8 A.M. to Meridian.

Overcast, moderate to stiff breeze from E by N and N.E. Course N.W. Mustered at quarters and exercised 1st Division, pistols; 2d Division - instructions; 3rd Division single sticks, and Powder and Navigators, stations. At 11 to took in and furled royals, and stowed flyjib for a squall.

F. V. D. Mason Reid.
Ensign U.S.N.

Meridian to 4 P.M.

Overcast; passing showers last hour. Stiff to moderate breeze from N.E. to E.N.E. At 1.05 set royals and flyjib. Pumped bilges.

W. O. Holmes
Ensign U.S.N.

4 to 6 P.M.

Cloudy. Moderate and gentle breezes from E.N.E. and N.E. Shipped under fore and main topmast staysails and all plain sail to royals except spanker.

C. M. Stone
Ensign U.S.N.

6 o'clock to 8 P.M.

Generally cloudy. Light drizzle first hour; light shower last part of second hour. Gentle breeze from N.E., backing to N.E. by N, at 7.45. Steering a course N.W. At 6.30 hauled down flyjib.

Jno. Hubbard
Lieut. U.S.N.

8 P.M. to Midnight.

Cloudy, - misty unsettled weather; - wind unsteady varying in force from a gentle to a stiff breeze from N.E. by N, to N.E. by E. Took in and furled royals at 10.

W. F. Arrison
Lieut. U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut - Navigator.

LOG of the UNITED STATES Steamer Seed, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 1 | 4374.8 | N.W. | N.E by E. | 3-5 | | | 30-02 | 77 | 75 | 72 | 77 | b.c. | cumu. Mim. | 2 | SW |
| 2 | 7 | 2 | 4382.0 | " | " | 3-5 | | | 30-02 | 77 | 75 | 72 | 77 | " | " | 2 | " |
| 3 | 7 | 2 | 4389.2 | " | " | 3-5 | | | 30-00 | 77 | 75 | 72 | 77 | o.c. | " | 0 | " |
| 4 | 6 | 8 | 4396.0 | " | " | 3-5 | | | 30-00 | 77 | 75 | 72 | 77 | " | " | 0 | " |
| 5 | 7 | 0 | 4403.0 | " | N.E | 4 | | | 30-00 | 77 | 75 | 72 | 77 | o.c.m | " | 0 | " |
| 6 | 6 | 5 | 4409.5 | " | " | 4 | | | 30-00 | 78 | 75 | 72 | 77 | " | " | 0 | " |
| 7 | 7 | 1 | 4416.5 | " | " | 4 | | | 30-03 | 77 | 75 | 72 | 77 | " | " | 0 | " |
| 8 | 7 | 8 | 4424.5 | " | " | 4 | | | 30-04 | 77 | 75 | 73 | 77 | " | " | 0 | " |
| 9 | 7 | 5 | 4432.5 | " | E.N.E. | 4 | | | 30-08 | 78 | 76 | 73 | 77 | b.c.p. | " | 1 | L. |
| 10 | 7 | 8 | 4439.8 | " | " | 5 | | | 30-08 | 77 | 76 | 73 | 77 | o.c.p. | " | 0 | " |
| 11 | 7 | 5 | 4447.2 | " | " | 4 | | | 30-08 | 78 | 76 | 73 | 77 | b.c. | cir.cumu. | 1 | " |
| Noon. | 8 | 0 | 4455.2 | " | " | 4 | | | 30-07 | 78 | 77 | 73 | 77 | " | " | 1 | " |

Course and distance made good since preceding noon by observations, N 62° W. 160 knots. tenths.

Position at Noon:
- Latitude by D. R. — N. 12 ° 56' 10 "
- Longitude by D. R. — W. 44 ° 51' 46 "
- Latitude by observations of ⊙ — N. 12 ° 41' 38 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 44 ° 56' 11 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 6 tenths per hour, setting to the S 16° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. W. 9° 54' "

Water expended during the preceding 24 hours, 275 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1624 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 92 " 1155 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 7 | 4461.8 | NW. | NE by E | 5 | | | 30-05 | 78 | 76 | 73 | 77 | b.cm | cir. Cumu. Nim. | 4 | W. |
| 2 | 8 | 2 | 4469.8 | " | " | 5 | | | 30-03 | 78 | 76 | 72 | 77 | " | " | 4 | " |
| 3 | 7 | 8 | 4477.4 | " | N.E. | 5 | | | 30-03 | 77 | 76 | 72 | 77 | " | " | 4 | " |
| 4 | 8 | 2 | 4485.5 | " | N.E. by E | 5 | | | 30-03 | 77 | 76 | 72 | 77 | " | " | 5 | " |
| 5 | 8 | 1 | 4493.5 | " | " | 6 | | | 30-05 | 78 | 76 | 71 | 77 | b.c | " | 1 | " |
| 6 | 8 | 2 | 4501.2 | " | " | 6 | | | 30-16 | 79 | 76 | 71 | 77 | " | " | 3 | " |
| 7 | 8 | 2 | 4509.0 | " | " | 5 | | | 30-08 | 80 | 75 | 71 | 77 | " | " | 5 | " |
| 8 | 8 | 0 | 4516.0 | " | " | 5 | | | 30-10 | 80 | 76 | 70 | 77 | " | cir. Cumu | 7 | " |
| 9 | 7 | 3 | 4523.3 | " | " | 4 | | | 30-13 | 80 | 75 | 70 | 77 | " | " | 7 | L |
| 10 | 7 | 3 | 4530.5 | " | " | 4 | | | 30-12 | 80 | 75 | 70 | 77 | " | " | 7 | " |
| 11 | 7 | 0 | 4537.5 | " | " | 4-3 | | | 30-12 | 80 | 75 | 71 | 77 | " | " | 3 | " |
| Mid. | 6 | 5 | 4544.0 | " | NE | 4-3 | | | 30-11 | 78 | 75 | 71 | 77 | " | " | 7 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday, February 11, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.

Cloudy or overcast - barometer falling slowly - wind from N.E. by E., steady in direction, variable in force and gusty - Moderate sea. Sail alone Square sail to topgallant sails - jib - fore and main top staysails.

N. J. T. Newton
Lieut. U.S.N.

4 to 8 A.M.

Overcast, moderate breeze from N.E. Course N.W. Set royals and flying jib.

W. H. Mason Field.
Ensign U.S.N.

8 A.M. to Meridian.

Cloudy - Passing showers first half. Moderate to stiff E.N.E breeze.

W. O. Wulme
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy - Stiff breezes from N.E. and N.E by E. At 2.00 hauled down flying jib and got up fore preventer brace. At end of watch ship under fore and main topmast staysails, and plain sail to royals, except flying jib and spanker.

Allstone
Ensign U.S.N.

4 o'clock to 6 P.M.

Cloudy - Pleasant - Stiff to fresh breeze from N.E. by E. - Steering a course N.W. At 5.45 went to fire quarters; times as follows:- 1st stream in 50 sec; 2d stream in 50 sec; 3rd stream in 55 sec; 4th stream in 57 sec.

H. Jungst Van Valkenburg
Lieut U.S.N.

6 to 8 P.M.

Partly cloudy - pleasant weather Clearing last hour. Moderate to fresh breeze from N.E. by E, Slightly unsteady both in force and direction

W. H. Harris
Lieut. U.S.N.

8 P.M. to Midnight.

Generally clear. Pleasant - Barometer steady. Moderate to gentle breeze from N.E. by E, and N.E.

N. J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

H. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 4 | 4530.4 | N.W. | N.E. by E. | 4 | | | 30-08 | 77 | 75 | 71 | 77 | b.c. | cir. cum. | 5 | M. |
| 2 | 7 | 4 | 4537.8 | " | " | 4 | | | 30-06 | 77 | 75 | 71 | 77 | " | " | 5 | " |
| 3 | 6 | 7 | 4544.4 | " | " | 4 | | | 30-06 | 76 | 74 | 70 | 77 | " | " | 5 | " |
| 4 | 6 | 5 | 4550.2 | " | " | 4 | | | 30-06 | 76 | 74 | 70 | 77 | " | " | 5 | " |
| 5 | 6 | 8 | 4578.0 | " | N.E. | 4 | | | 30-07 | 76 | 74 | 70 | 77 | " | cir. cum. St. | 4 | " |
| 6 | 6 | 2 | 4584.2 | " | " | 4 | | | 30-08 | 76 | 74 | 71 | 77 | " | " | 2 | " |
| 7 | 6 | 3 | 4590.5 | " | " | 4 | | | 30-11 | 76 | 75 | 71 | 77 | " | " | 1 | " |
| 8 | 7 | 0 | 4597.5 | " | " | 4 | | | 30-12 | 77 | 75 | 71 | 76 | " | " | 2 | " |
| 9 | 6 | 2 | 4603.2 | " | N.E. by E. | 3 | | | 30-13 | 77 | 75 | 71 | 76 | " | cir. cum. | 2 | " |
| 10 | 6 | 2 | 4609.5 | " | " | 3 | | | 30-13 | 77 | 75 | 71 | 76 | " | " | 3 | " |
| 11 | 6 | 6 | 4616.0 | " | N.E. | 3 | | | 30-13 | 78 | 75 | 71 | 76 | " | " | 3 | " |
| Noon. | 6 | 8 | 4622.8 | " | " | 3 | | | 30-13 | 78 | 76 | 71 | 76 | " | " | 3 | " |

Course and distance made good since preceding noon by observations, N 61° W. 173 knots tenths.

Position at Noon:
- Latitude by D. R. N 14 ° 15' 20"
- Longitude by D. R. W 47 ° 20' 17"
- Latitude by observations of ⊙ N 14 ° 04' 39"
- Longitude by chronometer from Forenoon Observations of ⊙ W 47 ° 31' 15"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 5 tenths per hour, setting to the W. 45° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. W. 8° 27' "

Water expended during the preceding 24 hours, 253 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1371 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 92 " 755 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5 | 6 | 4628.0 | N.W. | N.E. | 3 | | | 30-13 | 78 | 76 | 72 | 77 | b.c. | circum. | 3 | S. |
| 2 | 5 | 4 | 4633.5 | " | " | 3 | | | 30-11 | 78 | 76 | 72 | 77 | b.c.p. | cir. cum. | 4 | " |
| 3 | 3 | 0 | 4636.5 | N.W. ¼ W. | N.E. by N. | 3 | | | ¼ 30-10 | 78 | 76 | 71 | 77 | b.c. | " | 2 | " |
| 4 | 6 | 5 | 4645.3 | N.W. | " | 3 | | | ¼ 30-11 | 78 | 76 | 71 | 77 | " | " | 5 | " |
| 5 | 7 | 2 | 4652.6 | N.W. ¼ W. | " | 4 | | | ¼ 30-12 | 78 | 75 | 70 | 77 | " | " | 5 | " |
| 6 | 7 | 4 | 4660.0 | N.W. | " | 4 | | | ¼ 30-12 | 77 | 75 | 70 | 77 | " | " | 5 | " |
| 7 | 6 | 8 | 4666.8 | " | " | 4 | | | ⅜ 30-12 | 79 | 74 | 70 | 77 | " | " | 6 | " |
| 8 | 6 | 0 | 4672.8 | " | " | 4 | | | ⅜ 30-13 | 79 | 74 | 70 | 77 | " | " | 7 | " |
| 9 | 6 | 2 | 4679.0 | " | " | 4 | | | 30-16 | 79 | 74 | 70 | 77 | " | " | 5 | " |
| 10 | 6 | 6 | 4685.6 | " | " | 4 | | | 30-16 | 80 | 74 | 70 | 77 | " | " | 7 | " |
| 11 | 6 | 3 | 4691.8 | " | " | 4 | | | 30-16 | 79 | 74 | 70 | 76 | " | " | 6 | " |
| Mid. | 6 | 4 | 4698.0 | " | " | 4 | | | 30-14 | 78 | 74 | 70 | 76 | " | " | 6 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday, February 12, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Moderate breeze from N.E. by E. Course N.W. Square sail to royals. Head sails, except flying jib, and main topmast staysail.

Wm. Ogg Mann Jr.
Ensign U.S.N.

4 to 8 A.M.

Cloudy. Moderate N.E. breeze. At 7. set flying jib. Pumped and cleaned bilges

W. O. Stevens
Ensign U.S.N.

8 A.M. to Meridian.

Cloudy. Gentle breezes from N.E. by E. and N.E. At 9.30 Commanding Officer inspected ship and crew at quarters At 10.00 set Mizzen topmast staysail At end of watch ship under all sail except spanker and staysail. Set clock back 9½ minutes.

Chas C. Rousseau
Ensign U.S.N.

Meridian to 4. P.M.

Cloudy to fair. Passing shower second hour. Several passing showers in sight. Gentle breeze from N.E., backing to N.E. by N. Steering a course N.W. sailing full and by last part

Geo. F. W. Holman
Lieut. U.S.N.

4 to 6 P.M.

Partly cloudy pleasant weather. Moderate breeze from N.E. by N, to N.E. Steering full and by, first hour and on course N.W. last hour.

W. H. Reeves
Lieut. U.S.N.

6 to 8 P.M.

Clear and pleasant. barometer steady. Moderate breeze from N.E. by N.

W. T. Hunter
Lieut. U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Moderate breeze from N.E. by N. Course N.W. Stanled down mizzen topmast staysail.

Wm. Ogg Mann Jr.
Ensign U.S.N.

Examined and found to be correct.

A. K. Austin
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 0 | 4704.0 | N.W. ¼ W. | N.E. by N. | 4 | | ½ | 30-13 | 76 | 74 | 70 | 76 | bc | cir. cumi | 8 | L |
| 2 | 6 | 8 | 4710.0 | N.W. ½ W. | " | 5 | | ½ | 30-12 | 76 | 73 | 70 | 76 | bc gp. | ci. cum. nimi | 5 | " |
| 3 | 6 | 2 | 4717.0 | N.W. ¼ W. | " | 4 | | ½ | 30-09 | 76 | 73 | 70 | 76 | bc | " | 6 | " |
| 4 | 5 | 8 | 4723.8 | N.W. ½ W. | " | 4 | | " | 30-09 | 76 | 73 | 69 | 76 | " | " | 5 | " |
| 5 | 5 | 8 | 4728.5 | N.W. | " | 4 | | ½ | 30-09 | 75 | 73 | 69 | 76 | " | cir cumi | 8 | " |
| 6 | 5 | 6 | 4734.0 | " | " | 4 | | ½ | 30-09 | 75 | 73 | 69 | 76 | " | cir cum. Rtr. | 6 | H |
| 7 | 5 | 4 | 4739.5 | " | " | 4 | | ½ | 30-12 | 75 | 73 | 69 | 76 | " | " | 7 | " |
| 8 | 5 | 4 | 4745.0 | " | " | 4 | | ½ | 30-15 | 75 | 73 | 69 | 76 | " | " | 7 | " |
| 9 | 5 | 7 | 4750.8 | " | " | 3 | | | 30-17 | 75 | 74 | 69 | 76 | " | " | 7 | " |
| 10 | 5 | 9 | 4756.4 | " | " | 3 | | | 30-18 | 75 | 74 | 70 | 76 | " | | 7 | " |
| 11 | 5 | 8 | 4762.2 | " | " | 3 | | | 30-18 | 76 | 75 | 70 | 76 | " | | 7 | " |
| Noon. | 6 | 6 | 4769.0 | " | " | 2-6 | | | 30-17 | 76 | 74 | 70 | 76 | bc gp. | cir. cum. nimi. | 6 | " |

Course and distance made good since preceding noon by observations, N. 62° W. 149 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 15 ° 22 ′ 23 ″
- Longitude by D. R. W. 49 ° 39 ′ 51 ″
- Latitude by observations of ⊙ N. 15 ° 15 ′ 02 ″
- Longitude by chronometer from Forenoon Observations of ⊙ W. 49 ° 22 ′ 23 ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots 3 tenths per hour, setting to the S. 21° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at 8 AM. " N.W. W. 7 ° 50 ′ ″

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 11121 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 92 " 355 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12. 5p | 3 | 1 | 47721 | N.W. | | | | | | | | | | | | | |
| 1 | 2 | 4 | 4774.5 | N.W. ¼ W. | N.E. | 4 | | | 30-14 | 77 | 74 | 70 | 76 | bc | cir. cumi | 6 | 8.L |
| 2 | 6 | 0 | 4780.5 | " | " | 4 | | | 30-12 | 78 | 74 | 70 | 76 | " | " | 6 | " |
| 3 | 6 | 4 | 4787.0 | " | N.E. by E. | 4 | | | 30-11 | 77 | 74 | 73 | 76 | " | " | 5 | " |
| 4 | 6 | 5 | 4793.8 | " | " | 4 | | | 30-12 | 78 | 74 | 73 | 76 | " | " | 5 | " |
| 5 | 7 | 0 | 4800.8 | " | " | 4 | | | 30-12 | 78 | 74 | 70 | 76 | " | " | 5 | L |
| 6 | 7 | 0 | 4807.8 | " | " | 4-5 | | | 30-12 | 79 | 74 | 70 | 76 | " | " | 5 | " |
| 7 | 7 | 2 | 4815.0 | " | " | 5 | | | 30-14 | 79 | 74 | 70 | 76 | " | " | 6 | " |
| 8 | 7 | 5 | 4822.5 | " | " | 5-6 | | | 30-16 | 80 | 74 | 70 | 76 | bc gp. | cir. cum. nimi. | 3 | " |
| 9 | 7 | 0 | 4829.5 | " | " | 5-6 | | | 30-18 | 79 | 74 | 70 | 76 | " | " | 5 | " |
| 10 | 7 | 6 | 4837.2 | " | " | 4-6 | | | 30-17 | 79 | 73 | 70 | 76 | " | " | 6 | " |
| 11 | 7 | 8 | 4845.0 | " | " | 4-6 | | | 30-16 | 79 | 73 | 70 | 76 | " | " | 7 | " |
| Mid. | 7 | 6 | 4852.4 | " | " | 4-6 | | | 30-15 | 77 | 74 | 70 | 76 | " | " | 8 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Monday, February 13, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair. Moderate to stiff breze from N.E by N.; rain squall 2d hour. Course N.W. Full and by. Under main top mast staysail and all plain sail to royals except spanker. At 2d took in royals and fly-jib to light squall and set them about 2:10 -

W.O. Wilmer
Ensign U.S.N.

4 to 8 A.M.

Mostly clear and pleasant. Moderate breezes from N.E. by N. Ship under all head sails, main topmast stay sail, and plain sail to royals except spanker.

W.H. Stone
Ensign U.S.N.

8 A.M. to Meridian.

Generally clear and pleasant with gentle to light breze from N.E by N., but with a fresh passing squall with rain last hour. Steering a course N.W. At 9.15 set mizzen topmast staysail. At 9.30 mustered at quarters and drilled according to routine. At 11.45 stowed up topgallant sails and royals and hauled down flying jib to the squall, and set them immediately afterward. By order of the Commanding Officer put J.T.K. Colling (S. App. 1st C) on bread and water for three days for being slow in obeying orders of Petty Officer.

Jas. H. Holloman
Lieut. U.S.N.

Meridian to 4 P.M.

Generally clear and pleasant. Moderate breze from N.E. by N., to N.E. by E. Long swell with smooth sea. At 12.30 changed course to N.W. ¼ W. (pro.). Exercised 2d and 3rd Companies at setting up and signal boys at signals.

F.A. Wilner
Lieut. U.S.N.

4 to 6 P.M.

Clear and pleasant - barometer steady - moderate to fresh breze from N.E. by E. Long swell from N.

N. E. T. Hawkins
Lieut. U.S.N.

6 to 8 P.M.

Fair and pleasant; heavy rain squall last hour; stiff breze from N.E. by E. Course N.W. ¼ W.

W. A. Gleaves Jr.
Ensign U.S.N.

8 P.M. to Midnight.

Generally clear. Moderate to fresh breze in squalls from N.E. by E. Long swell.

W.O. Wilmer
Ensign U.S.N.

Examined and found to be correct.

W. K. Lewis Jr.
Lieut. Navigator.

LOG of the UNITED STATES — Steamer Essex, 2d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 6 | 4857.5 | N.W. ¼ W. | N.E. | 5-7 | | | 30-14 | 76 | 73 | 69 | 76 | beg. mp. | cum. nim. | 6 | SE. |
| 2 | 7 | 3 | 4866.6 | " | " | 5-6 | | | 30-12 | 77 | 73 | 69 | 76 | " | " | 6 | " |
| 3 | 7 | 6 | 4874.0 | " | " | 5-6 | | | 30-10 | 76 | 73 | 68 | 76 | " | " | 6 | " |
| 4 | 7 | 8 | 4881.5 | " | " | 5 | | | 30-11 | 77 | 73 | 68 | 76 | " | " | 8 | " |
| 5 | 7 | 7 | 4888.7 | " | " | 5 | | | 30-11 | 76 | 73 | 70 | 76 | b.c. | " | 7 | MS. |
| 6 | 7 | 2 | 4896.0 | " | " | 5 | | | 30-13 | 76 | 73 | 70 | 76 | " | cum. nim. | 6 | " |
| 7 | 7 | 5 | 4903.7 | " | " | 5 | | | 30-13 | 76 | 73 | 70 | 76 | " | " | 6 | " |
| 8 | 7 | 5 | 4911.5 | " | " | 5 | | | 30-16 | 76 | 74 | 70 | 76 | " | " | 6 | " |
| 9 | 7 | 5 | 4918.5 | " | NE. by E. | 5 | | | 30-17 | 75 | 74 | 69 | 77 | " | cir. cum. | 6 | MS. |
| 10 | 7 | 5 | 4925.5 | " | " | 5 | | | 30-17 | 75 | 74 | 70 | 77 | " | " | 5 | " |
| 11 | 7 | 2 | 4932.5 | " | " | 5 | | | 30-17 | 75 | 74 | 70 | 77 | " | " | 6 | " |
| Noon. | 8 | 2 | 4940.9 | " | " | 5 | | | 30-16 | 75 | 74 | 7 | 77 | b.c.p. | " | 6 | " |

Course and distance made good since preceding noon by observations, N. 62° W. 182 knots. tenths.

Position at Noon:
- Latitude by D. R. — N. 16 ° 30 ′ 02 ″
- Longitude by D. R. — W. 52 ° 10 ′ 26 ″
- Latitude by observations of ⊙ — N. 16 ° 39 ′ 49 ″
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 52 ° 23 ′ 56 ″

Position at 8 a. m.
- Latitude by — ° ′ ″
- Longitude by — ° ′ ″

Position at 8 P. M.
- Latitude by — ° ′ ″
- Longitude by — ° ′ ″

Current during the time, knots 7 tenths per hour, setting to the W 37° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. W. 6. 25. ″

Water expended during the preceding 24 hours, 246 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 875 "

Coal consumed during the preceding 24 hours, tons 1384 lbs.

Coal remaining on hand at Noon, 11 " 1211 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 1 | 4948.0 | NW. ¼ W. | NE. by E. | 4-6 | | | 30-13 | 76 | 75 | 70 | 77 | b.c.q. | cir. cum. nim. | 7 | W. |
| 2 | 6 | 8 | 4954.8 | " | E.N.E. | 3-6 | | | 30-10 | 76 | 74 | 71 | 77 | b.c.q.p. | " | 5 | " |
| 3 | 6 | 6 | 4961.4 | " | " | 5 | | | 30-10 | 78 | 75 | 71 | 77 | b.c. | " | 7 | " |
| 4 | 7 | 1 | 4968.5 | " | " | 5 | | | 30-10 | 78 | 75 | 71 | 76 | " | " | 7 | " |
| 5 | 7 | 0 | 4975.5 | " | NE. by E. | 4-6 | | | 30-10 | 78 | 74 | 70 | 76 | b.c.q.p. | " | 3 | " |
| 6 | 7 | 5 | 4983.0 | " | " | 4-6 | | | 30-11 | 78 | 74 | 70 | 76 | " | " | 4 | " |
| 7 | 7 | 6 | 4990.6 | " | " | 5-6 | | | 30-14 | 79 | 74 | 71 | 76 | " | " | 6 | " |
| 8 | 7 | 6 | 4998.2 | " | " | 4-6 | | | 30-16 | 80 | 74 | 71 | 76 | " | " | 6 | " |
| 9 | 7 | 5 | 5005.8 | " | N.E. | 4-6 | | | 30-16 | 80 | 74 | 71 | 76 | " | " | 7 | L |
| 10 | 7 | 9 | 5012.8 | " | NE. by E. | 4-6 | | | 30-15 | 80 | 74 | 71 | 76 | " | " | 7 | " |
| 11 | 8 | 2 | 5021.0 | " | " | 5-6 | | | 30-16 | 78 | 73 | 72 | 76 | " | " | 7 | " |
| Mid. | 7 | 6 | 5028.0 | " | " | 5-6 | | | 30-15 | 77 | 74 | 71 | 76 | " | " | 7 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, February 14, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 A.M.

Mostly fair, squally: moderate wind blowing in squalls from Stiff to very fresh breezes from N.E. Took in topgallant sails first hour to a squall setting them again as soon as it passed. Ship under fore and main topmast staysails and plain sail to topgallant sails except spanker. Long swell from N.E. and E.

Chas. L. Stone
Ensign U.S.N.

4 o'clock to 8 A.M.

Clear and pleasant. Fresh breeze from N.E. Moderate sea with long swell from N.E. by N. Steering a course N.W. ¼ W. At 7.15 took in and furled the mainsail and set the maintrysail. Hoisted the smoke stack and at 8.00 started fires for distilling.

H. Jaap Lieut. U.S.N.

8 A.M. to Meridian.

Partly cloudy pleasant weather: stiff breeze from N.E. by E. with several light squalls passing near the ship. Moderate sea with long swell. At 9.30 inspected at quarters. Started distiller at 11.00.

W. F. Friend
Lieut. U.S.N.

Meridian to 4 P.M.

Generally light and pleasant barometer falling slowly. moderate sea from N.E. by N. Gentle to fresh breeze from N.E. & E. and E.N.E. Two moderate squalls first part. Took in main trysail and topgallant sails to one of them. Reset topgallant sails.

J. T. Newton
Lieut. U.S.N.

4 to 6 P.M.

Fair, moderate to fresh breeze from N.E. by E. Light rain squall about 6 P.M. Course N.W. ¼ W. Ship rolling deeply Rough sea. Distilling

J. W. Mason Jr.
Ensign U.S.N.

6 to 8 P.M.

Fair. Squally and with passing showers. Moderate to fresh breeze in squalls from N.E. by E. Distilling.

W. O. Bulmer
Ensign U.S.N.

8 P.M. to Midnight.

Clear. Squally weather with passing showers. Moderate to fresh breezes from N.E. and N.E. by E. Ship under fore and main topmast-staysails and plain sail to topgallant sails except mainsail and spanker. Distilling. Ship rolling deeply but easily.

Chas. L. Stone
Ensign U.S.N.

Examined and found to be correct.

Le. K. Leonard
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 7 | 5035.9 | NW.¼W. | N.E.by E | 5-6 | | | 30-14 | 77 | 74 | 71 | 76 | b.c.g. | cumulus | 6 | R |
| 2 | 7 | 8 | 5044.0 | " | " | 5-6 | | | 30-13 | 77 | 74 | 71 | 76 | b.c.g.p. | " | 7 | " |
| 3 | 8 | 4 | 5052.5 | " | " | 5-6 | | | 30-13 | 76 | 74 | 71 | 76 | " | " | 6 | " |
| 4 | 8 | 2 | 5061.0 | " | " | 5-6 | | | 30-11 | 76 | 74 | 71 | 76 | b.c.g. | " | 7 | " |
| 5 | 8 | 5 | 5069.5 | " | E.N.E. | 6 | | | 30-10 | 76 | 74 | 71 | 76 | " | " | 7 | " |
| 6 | 8 | 5 | 5078.2 | " | " | 6 | | | 30-12 | 76 | 74 | 71 | 76 | b.c.g.p. | " | 6 | " |
| 7 | 8 | 2 | 5086.7 | " | " | 6 | | | 30-14 | 77 | 74 | 71 | 76 | b.c.g. | " | 6 | " |
| 8 | 8 | 3 | 5094.9 | " | " | 6 | | | 30-14 | 77 | 74 | 71 | 76 | " | " | 6 | " |
| 9 | 8 | 1 | 5103.0 | " | E by N | 5 | | | 30-18 | 77 | 73 | 71 | 76 | " | " | 6 | " |
| 10 | 7 | 7 | 5110.7 | " | " | 5 | | | 30-21 | 76 | 75 | 72 | 76 | " | " | 6 | " |
| 11 | 7 | 7 | 5118.4 | " | " | 4 | | | 30-21 | 77 | 75 | 71 | 76 | " | " | 6 | " |
| Noon. | 8 | 6 | 5127.0 | " | " | 4 | | | 30-22 | 77 | 75 | 72 | 76 | " | " | 6 | " |

Course and distance made good since preceding noon by observations, N 61.° W. 198 knots. tenths.

Position at Noon:
- Latitude by D. R. N 18 ° 22' 55"
- Longitude by D. R. W 55 ° 05' 38"
- Latitude by observations of ⊙ N 18 ° 16' 52"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 55 ° 23' 21"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 7 tenths per hour, setting to the W. 21° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M " NW. W 5° 55' "

Water expended during the preceding 24 hours, 265 gallons.

Water distilled during the preceding 24 hours, 2110 "

Water remaining on hand fit for use at Noon, 27220 "

Coal consumed during the preceding 24 hours, 1 tons 1932 lbs.

Coal remaining on hand at Noon, 89 " 1519 "

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 6 | 5134.5 | N.W.¼W. | E.N.E. | 5 | | | 30-20 | 77 | 75 | 71 | 77 | b.c.g. | cir. cumu. nimb. | 6 | L |
| 2 | 7 | 8 | 5142.3 | " | " | 5 | | | 30-18 | 77 | 75 | 71 | 77 | " | " | 6 | " |
| 3 | 8 | 0 | 5150.3 | " | " | 5 | | | 30-17 | 76 | 75 | 71 | 77 | " | " | 5 | " |
| 4 | 8 | 0 | 5158.0 | " | " | 5 | | | 30-18 | 75 | 75 | 72 | 77 | " | " | 5 | " |
| 5 | 7 | 5 | 5165.5 | " | " | 5 | | | 30-18 | 78 | 76 | 72 | 77 | " | " | 5 | " |
| 6 | 7 | 5 | 5173.0 | " | " | 5 | | | 30-19 | 79 | 76 | 72 | 77 | " | " | 5 | " |
| 7 | 7 | 9 | 5180.8 | " | N.E. by E | 5 | | | 30-20 | 80 | 75 | 71 | 76 | " | " | 6 | 8 |
| 8 | 8 | 0 | 5188.8 | " | " | 5 | | | 30-23 | 80 | 75 | 71 | 76 | b.c. | cir. cumu. | 9 | " |
| 9 | 8 | 0 | 5196.8 | " | N.E. | 5 | | | 30-24 | 80 | 75 | 71 | 76 | " | " | 8 | " |
| 10 | 8 | 0 | 5204.9 | " | " | 5 | | | 30-24 | 80 | 75 | 71 | 76 | " | " | 9 | " |
| 11 | 8 | 1 | 5213.0 | " | " | 5 | | | 30-24 | 80 | 75 | 71 | 76 | b.c.p. | cumu. nimb. | 6 | " |
| Mid. | 8 | 2 | 5221.2 | " | " | 5 | | | 30-24 | 78 | 74 | 71 | 76 | b.c. | " | 9 | " |

under the command of W. W. Mead, Commander, U. S. Navy,
Wednesday, February 15, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Generally clear. Heavy masses of passing clouds with light showers. Stiff breeze with fresh squalls from N.E. by E. Steering a course N.W. ¼ W. Parted weather main topgallant sheet; took in the sail, bent the sheet afresh and set the sail again - Sighted a steamer standing to the S'd. and W'd. Distilling.

H Jas. L. Whitehead
Lieut. U.S.N.

4 to 8 A.M.
Generally clear and pleasant. Fresh breeze from E.N.E. with frequent light to moderate squalls passing along horizon. Rough sea and swell. Ship rolling easily but deeply at times. Distilling

W T. H. Frieden
Lieut. U.S.N.

8 A.M. to Meridian.
Bright and pleasant. barometer rising slowly. Fresh to moderate breeze E by N. At 9.30 quarters - Gun division and instruction. At 10.30 set main trysail. At 11.00 set royals - Distilling.

N. J. Hunker
Lieut. U.S.N.

Meridian to 4 P.M.
Fair and pleasant, stiff breeze from E.N.E. Course N.W. ¼ W. Furled royals and took in main trysail. Sea moderating. Distilling.

W. N. Mason Jr.
Ensign U.S.N.

4 to 6 P.M.
Fair. Stiff E.N.E. breeze. At 5.37 stopped distilling and handed fires. Shackled main tacks and sheets and made preparations for setting mainsail.

W. O. Hulme
Ensign U.S.N.

6 to 8 P.M.
Clear and pleasant. Stiff breezes from N.E. by E. At 6.20 set mainsail. At end of watch ship under fore and main topmast staysails and plain sail to topgallantsails except spanker.

C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Generally clear and pleasant. with detached passing clouds, and a short passing shower third hour. Stiff breeze from N.E. Steering a course N.W. ¼ W.

H Jas. L. Whitehead
Lieut. U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 8 | 2 | 5229.3 | N.W. ¼ W. | E.N.E. | 5 | | | 30-23 | 76 | 74 | 71 | 76 | bc | cir. cum. | 7 | L |
| 2 | 8 | 0 | 5237.0 | " | " | 5 | | | 30-22 | 76 | 74 | 71 | 76 | " | " | 7 | " |
| 3 | 7 | 8 | 5245.0 | " | " | 5 | | | 30-18 | 75 | 74 | 70 | 76 | " | " | 7 | " |
| 4 | 8 | 2 | 5252.5 | " | " | 5 | | | 30-18 | 75 | 74 | 70 | 76 | " | " | 6 | " |
| 5 | 7 | 5 | 5260.0 | " | " | 5 | | | 30-21 | 76 | 73 | 70 | 76 | " | cum. nim. | 3 | " |
| 6 | 7 | 5 | 5267.5 | " | " | 5 | | | 30-23 | 76 | 74 | 71 | 76 | " | " | 3 | " |
| 7 | 7 | 0 | 5274.5 | " | " | 5 | | | 30-26 | 76 | 74 | 71 | 76 | " | cum nim str. | 5 | " |
| 8 | 7 | 9 | 5282.4 | " | " | 5 | | | 30-27 | 76 | 74 | 71 | 76 | " | " | 2 | " |
| 9 | 8 | 5 | 5291.0 | " | N.E. by N. | 3-5 | | | 30-29 | 76 | 73 | 71 | 76 | b.o.g. | " | 2 | " |
| 10 | 7 | 2 | 5298.2 | " | " | 3 | | | 30-30 | 76 | 73 | 71 | 76 | " | " | 4 | " |
| 11 | 6 | 8 | 5305.0 | " | E.N.E. | 4 | | | 30-31 | 77 | 74 | 71 | 76 | bc | cir cum | 5 | " |
| Noon. | 9 | 0 | 5314.0 | " | " | 5 | | | 30-29 | 77 | 75 | 71 | 76 | " | cir. cum. str. | 7 | " |

Course and distance made good since preceding noon by observations, N. 60° W. 192 knots. tenths.

Position at Noon:
- Latitude by D. R. — N — 20 ° 04 ' 40 "
- Longitude by D. R. — W — 55 ° 23 ' 21 "
- Latitude by observations of ⊙ — N — 19 ° 53 ' 24 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W — 58 ° 09 ' 26 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 5 tenths per hour, setting to the S. 32° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. W. 4 ° 45 '

Water expended during the preceding 24 hours, 260 gallons.

Water distilled during the preceding 24 hours, 388 "

Water remaining on hand fit for use at Noon, 2848 "

Coal consumed during the preceding 24 hours, tons 1302 lbs.

Coal remaining on hand at Noon, 89 " 217 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 0 | 5321-2 | N.W. ¼ W. | E.N.E. | 4 | | | 30-27 | 77 | 75 | 72 | 76 | bc. | cir cum | 6 | S |
| 2 | 7 | 0 | 5328.2 | " | " | 4 | | | 30 27 | 78 | 76 | 72 | 76 | " | " | 7 | " |
| 3 | 7 | 0 | 5334.8 | " | " | 4 | | | 30-27 | 78 | 76 | 72 | 76 | " | " | 7 | " |
| 4 | 7 | 0 | 5341.8 | " | N.E. by E. | 4 | | | 30-27 | 79 | 76 | 72 | 76 | " | " | 6 | " |
| 5 | 8 | 0 | 5349.5 | " | E.N.E. | 4 | | | 30-28 | 78 | 75 | 71 | 77 | " | cir cum nim | 5 | M. |
| 6 | 8 | 2 | 5357.0 | " | " | 4. | | | 30-28 | 78 | 75 | 71 | 77 | " | " | 4 | " |
| 7 | 8 | 4 | 5365.0 | " | N.E. | 5 | | | 30-28 | 78 | 75 | 71 | 77 | " | " | 3 | " |
| 8 | 8 | 4 | 5373.3 | " | " | 5 | | | 30-29 | 78 | 75 | 71 | 77 | " | " | 5 | " |
| 9 | 8 | 8 | 5382.0 | " | E.N.E. | 6 | | | 30-29 | 79 | 74 | 71 | 77 | " | " | 6 | " |
| 10 | 8 | 4 | 5390.4 | " | " | 5 | | | 30-30 | 80 | 74 | 70 | 77 | b | none | 10 | " |
| 11 | 8 | 0 | 5398.2 | " | " | 5 | | | 30-31 | 80 | 74 | 70 | 77 | bc | cir cum | 9 | " |
| Mid. | 7 | 6 | 5405.5 | " | " | 5 | | | 30-30 | 78 | 74 | 70 | 77 | " | cum str | 6 | " |

under the command of W. K. Mead, Commander, U. S. Navy,

Thursday February 16, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced Quintil 4 A. M.

Clear, bright starlight overhead, cloudy along horizon. Stiff breeze from E.N.E. Ship under plain sail to top-gallant sails except spanker. Steering course N.W. ¼ W. (pc)

W. J. Harris
Lieut. U.S.N.

4 to 8 A.M.

Cloudy and pleasant - barometer rising - fresh breeze from E.N.E. Set royals at 6.40. Two squalls passed to windward.

W. J. Newton
Lieut. U.S.N.

8 A.M. to Meridian.

Fair and pleasant, gentle to stiff breeze from N.E. by N. and E.N.E. Mustered and inspected at quarters. Held auction sale of Surveyed Marine Clothing. Squalls constantly passing ahead. Carried away weather main royal sheet.

W. Pz Mason Field
Ensign U.S.N.

Meridian to 4 P.M.

Clear Moderate breeze from E.N.E to N.E. by E. Set flying jib. At 1.10 a board of survey of which Lt. Newton is senior member surved some Marine stores.

W. O. Palmer
Ensign U.S.N.

4 to 6 P.M.

Cloudy. Moderate breezes from E.N.E. Ship under fore and main topmast staysails (am) plain sail to royals except spanker.

C. M. Stone
Ensign U.S.N.

6 o'clock to 8 P.M.

Fair. Stiff breeze from N.E. Steering a course N.W. ¼ W. At 7.15 furled the royals and stowed the flying jib.

Jno. H. Holman
Lieut. U.S.N.

8 P.M. to Midnight.

Clear bright starlight first part. Partly cloudy last hour. Fresh to stiff breeze from E.N.E. Moderate sea. Sighted a steamer standing to the S'd. (am) W'd.

W. J. Harris
Lieut. U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 5 | 5413.0 | N.W. ¼ W. | N.E by E | 4 | | | 30-30 | 76 | 79 | 70 | 75 | b.c. | cir. cum | 6 | 8 |
| 2 | 7 | 0 | 5420.0 | " | N.E. | 4 | | | 30-28 | 76 | 73 | 70 | 75 | " | " | 6 | " |
| 3 | 6 | 5 | 5426.5 | " | " | 4 | | | 30-27 | 76 | 73 | 69 | 75 | " | " | 7 | " |
| 4 | 5 | 7 | 5432.2 | " | " | 3 | | | 30-26 | 76 | 73 | 68 | 75 | " | " | 9 | " |
| 5 | 5 | 2 | 5437.5 | " | N.E by N. | 3 | | | 30-26 | 75 | 73 | 68 | 75 | " | " | 8 | " |
| 6 | 5 | 0 | 5442.5 | " | N.E. | 3 | | | 30-28 | 75 | 73 | 68 | 75 | " | cir. cum. cir. | 2 | " |
| 7 | 5 | 3 | 5447.8 | " | " | 3 | | | 30-30 | 75 | 73 | 68 | 75 | " | " | 4 | " |
| 8 | 5 | 0 | 5453.0 | " | " | 3 | | | 30-33 | 75 | 73 | 68 | 75 | " | " | 7 | " |
| 9 | 5 | 7 | 5458.5 | " | E.N.E. | 4 | | | 30-35 | 76 | 74 | 69 | 76 | " | " | 8 | " |
| 10 | 5 | 3 | 5463.8 | " | " | 4 | | | 30-37 | 76 | 75 | 70 | 76 | " | " | 6 | " |
| 11 | 6 | 2 | 5470.0 | " | " | 4 | | | 30-37 | 78 | 75 | 71 | 76 | " | " | 4 | " |
| Noon. | 5 | 9 | 5475.9 | " | " | 3 | | | 30-35 | 78 | 76 | 71 | 76 | " | " | 5 | " |

Course and distance made good since preceding noon by observations, N 62° W 17.8 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 21 ° 30' 12"
- Longitude by D. R. — W 60 ° 28' 8.0"
- Latitude by observations of ⊙ — N 21 ° 16' 15"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 60 ° 43' 46"

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 8 tenths per hour, setting to the W 43° S

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.m. " N.W ¼ W — W 3° 52' "

Water expended during the preceding 24 hours, 240 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2608 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 88 " 2057 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 7 | 5480.6 | NW. ¼ W. | E.N.E. | 3 | | | 30-32 | 78 | 76 | 71 | 76 | b.c. | cir. cum | 9 | 8. |
| 2 | 4 | 4 | 5485.0 | " | " | 3 | | | 30-31 | 78 | 76 | 71 | 76 | " | " | 6 | " |
| 3 | 4 | 2 | 5489.3 | " | " | 2 | | | 30-31 | 78 | 76 | 71 | 76 | " | " | 6 | " |
| 4 | 4 | 7 | 5494.0 | " | " | 3 | | | 30-30 | 79 | 76 | 72 | 76 | " | " | 6 | " |
| 5 | 5 | 0 | 5498.7 | " | " | 3 | | | 30-31 | 78 | 75 | 71 | 76 | " | " | 8 | " |
| 6 | 4 | 7 | 5503.2 | " | " | 3 | | | 30-31 | 80 | 75 | 71 | 76 | " | " | 8 | " |
| 7 | 4 | 0 | 5507.1 | " | " | 2 | | | 30-33 | 83 | 75 | 70 | 76 | " | " | 9 | " |
| 8 | 4 | 0 | 5510.6 | " | " | 2 | | | 30-34 | 80 | 75 | 70 | 76 | " | " | 9 | " |
| 9 | 4 | 4 | 5515.0 | " | E. by N. | 3 | | | 30-35 | 80 | 74 | 69 | 76 | " | " | 9 | " |
| 10 | 5 | 0 | 5520.0 | " | " | 3 | | | 30-35 | 80 | 74 | 69 | 76 | " | " | 8 | " |
| 11 | 5 | 5 | 5525.5 | " | East. | 3 | | | 30-35 | 79 | 74 | 69 | 76 | " | " | 9 | " |
| Mid. | 5 | 5 | 5531.0 | " | " | 3 | | | 30-34 | 79 | 74 | 69 | 76 | " | " | 8 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday, February 17, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant - barometer falling - Moderate to gentle breeze from N.E. by E. and N.E. Ship under square sail to topgallant sails, jib, fore and main topmast staysails

W. T. Meade
Lieut. U.S.N.

4 to 8 A.M.
Fair and pleasant, gentle breeze from N.E. by N. and N.E. Course N.W. ¼ W. Set royals and flying jib. Sea smooth

W. Bryan Mason Jr.
Ensign U.S.N.

8 A.M. to Meridian.
Fair. Moderate to gentle E.N.E. breeze. At 9 30 mustered at quarters. At 9.35 went to Fire Quarters, times as follows: 1st stream 4 5 sec.; 2d stream 55 sec.; 3d stream 1 min 03 sec.; 4th stream 1 m, 10 sec. At 9.44 called all hands Abandon ship - all ready in 6 minutes. At 10.05 set mizzen top - staysail and spanker. Overhauled starboard bower chain and cleaned chain locker.

W. Wirtner
Ensign U.S.N.

Meridian to 4 P.M.
Mostly fair. Light and gentle breezes from E.N.E. Overhauled starboard sheet chain and restowed chain locker. Broke out torpedo gear and painted it with asphalt. Ship under all sail except main trysail

C. W. Stone
Ensign U.S.N.

4 o'clock to 6 P.M.
Clear and pleasant. Gentle breeze from E.N.E. Steering a course N.W. ¼ W. At 5 30 mustered at quarters.

H. Gage Kellogman
Lieut. U.S.N.

6 to 8 P.M.
Clear bright starlight. Light breeze from E.N.E.

W. H. Wilmer
Lieut. U.S.N.

8 P.M. to Midnight.
Bright and pleasant - barometer steady - gentle breeze from E by N, and E - Took in staysails - hauled up weather clew of mainsail.

N. J. Newton
Lieut. U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 4 | 8 | 5535.8 | NW. ¼ W. | East. | 3 | | | 30-31 | 77 | 74 | 70 | 76 | b | none. | 10 | S. |
| 2 | 5 | 0 | 5540.8 | " | " | 3 | | | 30-29 | 77 | 73 | 69 | 76 | b.c. | cir. cum. | 9 | " |
| 3 | 5 | 4 | 5546.2 | " | " | 3 | | | 30-28 | 77 | 73 | 69 | 76 | " | " | 7 | " |
| 4 | 5 | 2 | 5551.4 | " | " | 3 | | | 30-27 | 77 | 73 | 69 | 76 | " | " | 4 | " |
| 5 | 5 | 3 | 5556.7 | " | E. by S. | 4 | | | 30-27 | 76 | 73 | 69 | 76 | " | " | 4 | " |
| 6 | 5 | 0 | 5561.7 | " | " | 4 | | | 30-28 | 76 | 73 | 69 | 76 | " | cir. cum. cir. | 2 | " |
| 7 | 5 | 3 | 5567.0 | " | E.S.E. | 4 | | | 30-29 | 76 | 73 | 69 | 76 | " | " | 5 | " |
| 8 | 4 | 9 | 5571.9 | " | S.E. by E | 3 | | | 30-30 | 76 | 75 | 70 | 76 | " | " | 3 | " |
| 9 | 5 | 0 | 5577.1 | " | E.S.E. | 3 | | | 30-32 | 75 | 75 | 70 | 76 | " | cir. cum. | 7 | " |
| 10 | 5 | 0 | 5582.4 | " | " | 3 | | | 30-32 | 76 | 75 | 70 | 76 | " | " | 7 | " |
| 11 | 4 | 0 | 5586.5 | " | S.E. by E | 3 | | | 30-32 | 76 | 75 | 70 | 76 | " | " | 4 | " |
| Noon. | 4 | 4 | 5590.5 | " | S.E. | 3 | | | 30-32 | 78 | 78 | 71 | 76 | " | " | 7 | " |

Course and distance made good since preceding noon by observations, N 52° W. 11.3 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 22 ° 24' 57 "
- Longitude by D. R. W. 62 ° 23' 40 "
- Latitude by observations of ⊙ N. 22 ° 25' 48 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 62 ° 20' 28 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots / tenths per hour, setting to the E. 16° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " NW. ¼ W. W. 3° 39' "

Water expended during the preceding 24 hours, 246 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2362 "

Coal consumed during the preceding 24 hours, tons 40 0 lbs.

Coal remaining on hand at Noon, 88 " 1657 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.30 | 2 | 4 | 5592.8 | NW. ¼ W. | | | | | | | | | | | | | |
| 1 | 2 | 4 | 5595.0 | NW ½ W. | S.E. by S. | 3 | | | 30-29 | 78 | 79 | 72 | 77 | b.c. | cir. cum. | 6 | S. |
| 2 | 5 | 4 | 5600.4 | " | " | 3 | | | 30-26 | 78 | 78 | 71 | 77 | " | " | 5 | " |
| 3 | 5 | 6 | 5606.0 | " | S.S.E. | 3 | | | 30-25 | 78 | 78 | 72 | 77 | " | " | 5 | " |
| 4 | 4 | 9 | 5611.0 | " | S. by E. | 3 | | | 30-24 | 79 | 78 | 72 | 77 | " | " | 4 | " |
| 5 | 5 | 0 | 5616.0 | " | South. | 3 | | | 30-24 | 79 | 77 | 71 | 74 | " | " | 8 | " |
| 6 | 5 | 2 | 5620.8 | " | S by W. | 3 | | | 30-24 | 79 | 77 | 71 | 77 | " | " | 8 | " |
| 7 | 5 | 0 | 5625.4 | " | S by E | 3 | | | 30-25 | 80 | 75 | 70 | 77 | " | " | 8 | " |
| 8 | 5 | 0 | 5630.7 | " | " | 3 | | | 30-25 | 80 | 75 | 76 | 77 | " | " | 9 | " |
| 9 | 5 | 4 | 5635.8 | " | S by W. | 4 | | | 30-27 | 78 | 75 | 70 | 75 | " | " | 9 | " |
| 10 | 5 | 8 | 5641.5 | " | " | 4 | | | 30-27 | 78 | 75 | 70 | 75 | " | " | 9 | " |
| 11 | 6 | 0 | 5647.5 | " | " | 4 | | | 30-27 | 78 | 75 | 69 | 75 | " | " | 8 | " |
| Mid. | 5 | 8 | 5653.3 | " | " | 4 | | | 30-25 | 76 | 75 | 69 | 75 | " | " | 7 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday, February 18, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Until 4 A.M.

Fair to clear. Gentle breeze from East. Set weather clew of mainsail. Course N.W. ½ W. Ship under plain sail & royals & spanker topmast stay-sail.

F. W. Bymaan Mate.
Ensign U.S.N.

4 to 8 A.M.

Cloudy. Moderate to gentle breeze from E. by S. to SE by E. At 6ᵐ hauled up weather clew of mainsail and at 7ᵐ hauled up mainsail and down flying jib and hauled up spanker.

W. O. Stalnaker
Ensign U.S.N.

8 A.M. to Meridian.

Mostly fair. Gentle breeze from E.S.E. to S.E. At 9ʰ 30ᵐ aired bedding At 10ʰ 00ᵐ inspected bags. Ship under jib and all square sail except mainsail.

A. McClure
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Gentle breeze standing from S.E. to S by E. At 12ʰ 30ᵐ changed course to N.W. ½ W. At 1ʰ 00ᵐ set the flying jib and the stay-sails and the lee clew of mainsail. At 2ʰ 00ᵐ set weather clew of mainsail.

Jno. Lubbock
Lieut. U.S.N.

4 to 6 P.M.

Clear and pleasant. Gentle breeze from South to S by W. Smooth sea. Mustered at quarters at 5ʰ 30ᵐ.

W. H. Wilson
Lieut. U.S.N.

6 to 8 P.M.

Clear & pleasant — barometer steady — gentle breeze from S by E Set spanker.

J. J. Hunter
Lieut. U.S.N.
Comdr. N.V.S.V.

8 P.M. to Midnight.

Clear & fine, moderate breeze from S by W

W. P. Bymaan Mate.
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 6 | 0 | 5659.3 | N.W. ½ W. | S by W. | 4 | | | 30-24 | 76 | 75 | 70 | 76 | b.c. | Ci. Cum. St. | 4 | 8 |
| 2 | 6 | 0 | 5665.3 | " | " | 4 | | | 30-22 | 76 | 74 | 70 | 76 | " | " | 4 | " |
| 3 | 6 | 8 | 5672.1 | " | S.S.W. | 4 | | | 30-21 | 76 | 74 | 70 | 76 | " | " | 4 | " |
| 4 | 7 | 6 | 5678.4 | " | " | 4 | | | 30-20 | 76 | 74 | 70 | 76 | " | " | 5 | " |
| 5 | 7 | 7 | 5686.1 | " | S.W. | 4 | | | 30-19 | 76 | 74 | 70 | 76 | " | " | 7 | NW |
| 6 | 7 | 8 | 5693.9 | " | " | 4 | | | 30-18 | 76 | 74 | 70 | 76 | " | " | 4 | " |
| 7 | 7 | 8 | 5701.7 | " | " | 4 | | | 30-18 | 76 | 74 | 69 | 76 | " | " | 7 | " |
| 8 | 8 | 1 | 5709.8 | " | " | 4 | | | 30-18 | 76 | 74 | 69 | 76 | " | " | 7 | " |
| 9 | 8 | 6 | 5718.4 | " | " | 5 | | | 30-21 | 76 | 75 | 70 | 76 | " | " | 8 | " |
| 10 | 9 | 0 | 5727.4 | " | " | 5 | | | 30-19 | 77 | 75 | 71 | 76 | " | " | 9 | " |
| 11 | 9 | 6 | 5736.0 | " | " | 6 | | | 30-17 | 77 | 76 | 71 | 76 | " | Ci. St. | 8 | " |
| Noon. | 10 | 4 | 5746.4 | " | " | 6 | | | 30-14 | 78 | 76 | 70 | 76 | b.c.m. | | 8 | " |

Course and distance made good since preceding noon by observations, N 51° W. 146 knots. tenths.

Position at Noon:
- Latitude by D. R. N 23 ° 53' 30"
- Longitude by D. R. W. 64 ° 42' 52"
- Latitude by observations of ⊙ N 23 ° 58' 24"
- Longitude by chronometer from Forenoon Observations of ⊙ W 64 ° 23' 38"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 7 tenths per hour, setting to the E. 16° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.W. ½ W. W. 3 ° 33' "

Water expended during the preceding 24 hours, 258 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2104 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 88 " 1257

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10 | 0 | 5751 | N.W. ½ W. | S.W. | 6 | 30-10 | 78 | 76 | 70 | 75 | b.c. | cir. str. | 7 | N. |
| 2 | 10 | 0 | 5761 | " | " | 6 | 30-08 | 78 | 78 | 70 | 75 | " | " | 7 | " |
| 3 | 9 | 8 | 5770 | " | " | 6 | 30-06 | 78 | 77 | 71 | 75 | " | " | 7 | " |
| 4 | 9 | 8 | 5779 | " | " | 6 | 30-05 | 78 | 74 | 71 | 75 | " | " | 4 | " |
| 5 | 9 | 5 | 5789 | " | S.W. by S. | 6-7 | 30-06 | 78 | 75 | 71 | 75 | " | " | 3 | " |
| 6 | 7 | 5 | 5796 | N.W. | S.W. | 3-6 | 30-05 | 78 | 74 | 70 | 75 | b.c.p. | Ci. Cum. Nim. | 3 | " |
| 7 | 9 | 0 | 5805.5 | N.W. ½ W. | " | 6 | 30-03 | 80 | 74 | 71 | 75 | b.c. | Cum. Nim. | 8 | LS |
| 8 | 8 | 4 | 5813 | " | " | 6 | 30-04 | 78 | 74 | 71 | 75 | " | " | 7 | " |
| 9 | 5 | 6 | 5819 | N.W. by N. | S.W. by W. | 4-6 | 30-03 | 78 | 73 | 70 | 75 | b.c.g.p. | " | 4 | " |
| 10 | 5 | 7 | 5825 | N.W. | S.W. | 4-6 | 30-02 | 80 | 73 | 71 | 75 | b.c.g.p.l. | " | 2 | " |
| 11 | 5 | 0 | 5830 | N.W. ½ W. | " | 4-6 | 30-02 | 80 | 73 | 71 | 75 | o.c.g.p.l. | nim | 0 | " |
| Mid. | 4 | 9 | 5835 | N.N.W. | W.S.W. | 4-6 | 30-01 | 79 | 72 | 70 | 75 | b.c.g.p. | Cum. Nim. | 2 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday February 19, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced Am until 4 A.M.

Cloudy. Moderate breeze from S by W. to S.S.W. Under all sail except main trysail. Patent Log fouling with seaweed 2d reading not to be depended on for last two hours of watch. Patent Log at end of watch 75.4.

M. C. Malone
Ensign U.S.N.

4 to 8 A.M.

Mostly clear and pleasant. Moderate breezes from S.W. Ship under all sail except main trysail. Patent Log fouling at intervals.

C. M. Stone
Ensign U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Getting hazy in S.W. horizon last hour. Stiff to fresh breeze from S.W. Steering a course N.W. ½ W. At 9. trailed up the spanker. At 9.30 the Commanding Officer inspected the ship and the crew at quarters. At 11.30 furled royals, and stowed flying jib.

Fay F. M. Holman
Lieut. U.S.N.

Meridian to 4 P.M.

Generally clear and pleasant. clouding over last hour. Strong breeze from S.W. Moderate sea, increasing latter part. Barometer falling. Took in mizzen topmast staysail. Got up and bent storm staysails.

W. H. Brown
Lieut. U.S.N.

4 to 6 P.M.

Cloudy and pleasant. barometer steady. barometer steady. fresh and very fresh breeze from S.W by S. and S.W. Took in top gallant sails and mainsail to a squall. and reset them.

W. H. Brown
Lieut. U.S.N.

6 to 8 P.M.

Fair and pleasant, fresh breeze from S.W. Took single reef in top sails and set topgallant sails over them. Course N.W. ½ W.

W. Nyman Hall
Ensign U.S.N.

8 P.M. to Midnight.

Generally cloudy, squally, passing rain squalls, lightening to N.d and W.d. Moderate to fresh breeze in squalls from S.W. to W.S.W. Took in topgallantsails and mainsail to squalls first hour and then furled topgallant sails and hauled down maintopmast staysail. During last hour, scandalized topsails to heavy squall and ran off to North the wind hauling to W. suddenly and then veering to W.S.W. At 11.25 hoisted topsails up again.

M. O. Malone
Ensign U.S.N.

Examined and found to be correct.

M. K. Simms
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd. Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 3 | 0 | 5837.2 | N.W. ½ N. | ~~W.~~ S.W. | 4 | | 1 | 30-00 | 78 | 73 | 71 | 75 | b.c. | cr. cum. nim. | 6 | M. |
| 2 | 4 | 5 | 5841.5 | N.W. by N. | " | 4 | | | 29-98 | 78 | 73 | 70 | 75 | b.c.l. | " | 7 | " |
| 3 | 6 | 8 | 5841.9 | N.N.W. | " | 5 | | | 29-97 | 78 | 73 | 70 | 75 | " | " | 8 | " |
| 4 | 6 | 8 | 5847.9 | N.N.W. ½ W. | . | 6 | | | 29-95 | 76 | 73 | 70 | 75 | " | " | 8 | " |
| 4 30 5 | 2 | 8 5 | | N. N. W ½ W. | | | | | | | | | | | | | |
| 5 | 1 | | | South. | N.W. | 3-4 | | 5. | 29-97 | 75 | 70 | 68 | 75 | o.c.g.pv. | cum. nim. | 0 | " |
| 5.10 | 1 | 3 | 5853.5 | S.W. | | | | | | | | | | | | | |
| 6 | 1 | 0 | | S.W. by S. | . | 3-4 | | 5 | 29-99 | 74 | 69 | 68 | 75 | " | " | 0 | L |
| 7 | 1 | 0 | | S.S.W. | N.W. by W. | 3-4 | | 7 | 30-01 | 74 | 70 | 69 | 75 | " | " | 0 | " |
| 8 | 1 | 0 | | S.W. by S. | W.N.W. | 3-5 | | 7 | 30-03 | 73 | 69 | 68 | 75 | " | cum. cr. nim. | 0 | " |
| 9 | 1 | 0 | | S.S.W. | . | 4 | | 7 | 30-05 | 75 | 70 | 68 | 73 | b.c. | cr. cum. cr. nim. | 1 | " |
| 10 | | | Heaving ship. | | W. by S. | 3 | | | 30-06 | 76 | 71 | 68 | 73 | " | " | 1 | " |
| 11 | 2 | 0 | | N. by W. | " | 3 | | 4 | 30-07 | 75 | 72 | 68 | 73 | " | " | 1 | " |
| Noon. | 2 | 0 | 5853.5 | " | West | 3 | | 4 | 30-07 | 74 | 71 | 66 | 73 | " | " | 2 | " |

Course and distance made good since preceding noon by observations, N 38° W 105 knots tenths.

Position at Noon:
- Latitude by D. R. — N 25° 11' 36"
- Longitude by D. R. — W 65° 52' 56"
- Latitude by observations of ⊙ — N 25° 22' 04"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 65° 34' 28"

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 8 tenths per hour, setting to the E.S.E. 32° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 9 AM " S. by W. W. 3° 20' "

Water expended during the preceding 24 hours, 249 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1855 "

Coal consumed during the preceding 24 hours, 1 tons 848 lbs.

Coal remaining on hand at Noon, 87 " 409 "

| P. M. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 7 | 5856.2 | N ½ W. | W. N.W. | 3 | 30-07 | 74 | 72 | 67 | 73 | b.c. | cr. cum. str. | 8 | M. |
| 2 | 5 | 4 | 5861.6 | N.N.W. ½ W. | " | 2 | 30-06 | 75 | 72 | 66 | 73 | " | " | 9 | " |
| 3 | 1 | 0 | | N.E | " | 2 | 30-07 | 75 | 72 | 66 | 73 | " | " | 9 | " |
| 4 | 1 | 0 | | " | " | 2 | 30-07 | 74 | 72 | 66 | 73 | " | " | 8 | " |
| 5 | 1 | 0 | | N. by W. | " | 2 | 30-10 | 74 | 71 | 65 | 73 | " | " | 6 | " |
| 6 | 1 | 0 | | " | " | 2 | 30-12 | 76 | 71 | 65 | 73 | " | " | 6 | " |
| 7 | | 5 | | " | " | 2 | 30-14 | 78 | 71 | 65 | 73 | " | " | 9 | " |
| 8 | 5 | 5 | 5860.8 | N.N.W. | " | 2 | 30-14 | 76 | 71 | 65 | 73 | " | " | 9 | " |
| 9 | 8 | 0 | 5874.5 | N.N.W. ¼ W. | N.W. by W. | 2 | 30-17 | 79 | 71 | 65 | 73 | " | " | 9 | M.S. |
| 10 | 8 | 5 | 5882.3 | " | W.N.W. | 2 | 30-18 | 76 | 71 | 65 | 73 | " | " | 8 | " |
| 11 | 8 | 0 | 5890.0 | " | W. by N. | 3 | 30-18 | 76 | 70 | 65 | 73 | " | " | 8 | " |
| Mid. | 7 | 4 | 5897.6 | " | " | 3 | 30-16 | 75 | 70 | 65 | 73 | " | " | 8 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Monday, February 20, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.

Mostly clear. Moderate to fresh breezes from W.S.W. At 2.20 set mainsail and at 2.40 set topgallant sails. Patent Log fouled second hour. At end of watch ship under topgallant sails over single reefed topsails, courses, jib, and fore topmast staysail.

Cessione
Ensign U.S.N.

4 o'clock to 8 A.M.

Overcast. Frequent passing showers first part, abating in number last hour. Long swell from N'd. and W'd, last part. At 4.30 the wind shifted to N.W., and blew from N.W. to W.N.W. during remainder of watch with force of 3 with squalls of force of 4 to 5. At 4.30 wore ship to the S'd and W'd, shortened sail and laid to under close reefed topsails, fore topmast staysail and spanker. Hauled in patent log at 5.10 registering 53.5.

H. Fiske Stevenson
Lieut. U.S.N.

8 A.M. to Meridian.

Overcast and cloudy with two rain squalls passing along horizon during first part of watch. Clearing last hour. Wind from West to W by S. and varying from moderate to light breeze. Set mainsail and started fires under 3 boilers at 9. Sent down topgallant and royal yards and rove off topgallant mast ropes. At 9.30 wore ship to N'd and Ed. At 10.00 shook reefs out of the topsails and made sail to topsails, jib, fore and main topmast staysails, main trysail, and spanker. Moderate sea with long swell. Put over patent log at 12.00 reading 53.5.

W. W. Mead
Lieut. U.S.N.

Meridian to 4 P.M.

Clear and pleasant - barometer steady - light to gentle breeze from W.N.W. At 12.50 took in and furled topsails and foresail. Set mizzen top. and fore storm staysails - Commenced steaming at 12.51. At 1.40 stopped to repair water valve at inboard end of high-pressure cylinder which was disabled by a piece of copper lodging in its seat. Sent down topgallant masts, mast headed topsail yards. At end of watch under fore and aft sail - drifting to N'd and Ed.

J. T. Newton
Lieut. U.S.N.

4 to 6 P.M.

Fair and pleasant - light breeze from W.N.W. Course N.W. by N. Steering full and by while Engines are being repaired -

W. Mc Mason Reid
Ensign U.S.N.

6 to 8 P.M.

Clear and cool. Light W.N.W. breeze. At 7.05 began to turn over engines. At 7.20 went ahead full speed and put over patent log reading 66.8. At 7.50 took in all fore and aft sail.

W. O. Stevens
Ensign U.S.N.

8 P.M. to Midnight.

Clear and pleasant - Light and gentle breezes from N.W. by W. to W by N. At 9.00 set fore and aft sail except flying jib and fore topmast staysail. Steaming with three boilers. Average steam 69. Average revolutions 48.

Examined and found to be correct.

C. M. Chase
Ensign U.S.N.

L. K. Jennings
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 1 | 5904.2 | N.N.W ¼ W. | W. by N. | 2 | | | 30-17 | 74 | 71 | 66 | 73 | bc | Cum. Str | 5 | L |
| 2 | 6 | 8 | 5910.6 | " | W.N.W. | 2 | | | 30-18 | 74 | 71 | 66 | 73 | " | " | 8 | " |
| 3 | 7 | 5 | 5918.2 | " | " | 2 | | | 30-16 | 74 | 71 | 66 | 73 | " | " | 8 | " |
| 4 | 7 | 6 | 5926.0 | " | " | 2 | | | 30-17 | 73 | 70 | 65 | 73 | " | " | 9 | " |
| 5 | 7 | 8 | 5933.7 | " | N.W. by N. | 3 | | | 30-16 | 72 | 70 | 65 | 73 | " | " | 8 | " |
| 6 | 7 | 6 | 5941.0 | " | " | 2 | | | 30-18 | 72 | 71 | 65 | 73 | " | Cir. Cum. St. | 7 | " |
| 7 | 7 | 7 | 5948.5 | " | " | 2 | | | 30-20 | 72 | 70 | 64 | 73 | " | " | 8 | " |
| 8 | 7 | 7 | 5956.2 | " | " | 2 | | | 30-24 | 72 | 71 | 65 | 73 | " | " | 8 | " |
| 9 | 6 | 9 | 5963.1 | " | N.W. | 2 | | | 30-28 | 73 | 71 | 65 | 73 | " | Cir. Cum. | 8 | SL |
| 10 | 7 | 1 | 5970.2 | " | " | 2 | | | 30-29 | 74 | 72 | 65 | 70 | " | " | 8 | " |
| 11 | 7 | 1 | 5977.3 | " | N.N.E. | 3 | | | 30-31 | 73 | 70 | 65 | 70 | " | " | 7 | " |
| 11.15 | 1 | 8 | | W.W. by W. | | | | | | | | | | | | | |
| 11.40 | 3 | 2 | | | | | | | | | | | | | | | |
| Noon. | 2 | | 5984.8 | N.N.W. ¼ W. | N. E. by N. | 2 | | | 30-28 | 73 | 71 | 66 | 70 | " | " | 8 | " |

Course and distance made good since preceding noon by observations, N 27° W. 125 knots tenths.

Position at Noon:
- Latitude by D. R. — N 27 ° 19 ' 52 "
- Longitude by D. R. — W 66 ° 47 ' 52 "
- Latitude by observations of ⊙ — N 27 ° 13 ' 16 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 66 ° 38 ' 37 "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by — ° ' "
- Longitude by — ° ' "

Current during the time, knots 4 tenths per hour, setting to the E 39° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM " N.N.W. ¼ W. W. 4° 02 "

Water expended during the preceding 24 hours, 294 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1561 "

Coal consumed during the preceding 24 hours, 9 tons 652 lbs.

Coal remaining on hand at Noon, 77 " 1997 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8 | 5 | 5993.0 | N.N.W. ¼ W. | E.N.E. | 4 | | | 30-27 | 73 | 71 | 66 | 72 | bc | Cir. Cum. | 7 | L |
| 2 | 9 | 0 | 6001.8 | " | " | 5 | | | 30 | 26 | 72 | 68 | 65 | 72 | " | " | 2 | " |
| 3 | 9 | 4 | 6011.0 | " | " | 5 | | | 30 | 26 | 72 | 68 | 64 | 72 | " | " | 2 | " |
| 4 | 9 | 5 | 6019.5 | " | " | 5 | | | 30 | 27 | 71 | 67 | 64 | 72 | " | " | 3 | " |
| 5 | 9 | 0 | 6028.1 | " | " | 5 | | | 30 | 28 | 71 | 67 | 64 | 72 | " | " | 3 | " |
| 6 | 8 | 9 | 6037.0 | " | " | 5 | | | 30 | 28 | 72 | 67 | 64 | 72 | " | " | 2 | " |
| 7 | 9 | 0 | 6045.8 | " | " | 4 | | | 30 | 31 | 75 | 67 | 64 | 72 | " | " | 6 | SL |
| 8 | 8 | 8 | 6054.2 | " | East | 5 | | | 30 | 31 | 76 | 67 | 64 | 71 | " | " | 7 | " |
| 9 | 8 | 6 | 6062.8 | " | " | 4 | | | 30 | 31 | 77 | 67 | 64 | 69 | " | Cir. Cum. Nim. | 4 | " |
| 10 | 8 | 6 | 6071.3 | " | " | 4 | | | 30 | 31 | 77 | 67 | 64 | 69 | " | " | 6 | " |
| 11 | 8 | 4 | 6079.2 | " | E.S.E. | 4 | | | 30 | 28 | 74 | 67 | 64 | 69 | " | Cum. Nim. | 6 | " |
| Mid. | 8 | 3 | 6087.5 | " | " | 4 | | | 30 | 28 | 73 | 67 | 64 | 69 | " | " | 5 | " |

under the command of W. H. Mead, Commander, U. S. Navy,

Tuesday, February 21, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Muntel 4 A.M.
Clear and pleasant. Light breeze from W by N. to W.N.W. Steering a course N.N.W. ¼ W. Average steam 73: revolutions 49.8

Geo. Luhman
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant. Light breeze from NW. by N. Smooth sea with irregular N'ly. swell. Took in all sail at 5. Steering course N.N.W. ¼ W. Average steam pressure 72: revolutions 46.4

W. F. Low
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and pleasant - barometer fluctuating. - light to gentle breeze from N.W. N.N.E. N.E. by N. Smooth sea, heavy swell from N.W. At 9.30 quarters - Gun division oral instruction. At 10.50 set fore and aft sail. At 11.15 changed course to N.W. by N. patent log reading 79. - At 11.40 took in fore and aft sail and changed course to N.N.W. ¼ W. patent log reading 82.2
Av. steam 70 lbs - Av. revolutions 46.2

J. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.
Fair and pleasant. Stiff breeze from E.N.E. Course N.N.W. ¼ W. Set foresail and topsails. Average steam 71: Average revolutions 43.8.

W. Brownell
Ensign U.S.N.

4 to 6 P.M.
Cloudy. Fresh E.N.E. breeze. At 5.30 mustered at quarters.

W. O. Bulmer
Ensign U.S.N.

6 to 8 P.M.
Fair. Moderate and stiff breezes from E.N.E. & East. At 7.00 hauled down mizzen topmast staysail. Ships under foresail, topsails and all fore and aft sail except flying jib and mizzen topmast staysail. Steaming with two boilers; fires banked in one boiler. Average steam 69. Average revolutions 42.2
Long swell from N'd.

C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Moderate breeze from East to E.S.E. Long swell from N'd and NE. Steering a course N.N.W. ¼ W. Average steam 68.5; - revolutions 40.5.

Geo. Luhman
Lieut. U.S.N.

Examined and found to be correct.

H. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 8 | 8 | 6095.8 | N.N.W. ¼ W. | S.E. by E. | 4 | | | 30-24 | 73 | 67 | 63 | 72 | b.c. | cir. cum. | 6 | S.L. |
| 2 | 8 | 8 | 6104.5 | " | S.E. | 4 | | | 30-21 | 73 | 67 | 64 | 72 | " | " | 5 | " |
| 3 | 8 | 2 | 6112.0 | " | " | 3 | | | 30-18 | 73 | 67 | 64 | 72 | " | " | 7 | " |
| 4 | 8 | 8 | 6120.5 | " | [illegible] | 4 | | | 30-17 | 72 | 68 | 65 | 72 | " | " | 6 | " |
| 5 | 8 | 3 | 6128.8 | " | South. | 5 | | | 30-17 | 72 | 69 | 66 | 72 | " | " | 6 | M. |
| 6 | 8 | 7 | 6137.5 | " | " | 5 | | | 30-16 | 72 | 69 | 66 | 72 | b.c. | cir. cum. strm. | 2 | " |
| 7 | 9 | 5 | 6147.0 | " | S by W. | 5 | | | 30-14 | 72 | 70 | 66 | 71 | " | " | 5 | " |
| 8 | 9 | 8 | 6156.8 | " | " | 5 | | | 30-11 | 72 | 70 | 67 | 70 | " | " | 6 | " |
| 9 | 10 | 2 | 6166.8 | " | S.S.W. | 5 | | | 30-11 | 71 | 70 | 67 | 70 | " | " | 5 | " |
| 10 | 10 | 2 | 6177.0 | " | " | 5 | | | 30-08 | 70 | 69 | 67 | 69 | " | " | 4 | " |
| 11 | 10 | 2 | 6187.5 | " | " | 6 | | | 30-04 | 72 | 69 | 67 | 68 | " | " | 4 | " |
| Noon. | 10 | 5 | 6197.5 | " | " | 6 | | | 29-95 | 70 | 69 | 67 | 67 | " | " | 1 | " |

Course and distance made good since preceding noon by observations, N. 30° W. 219 knots. tenths.

Position at Noon:
- Latitude by D. R. N 30 ° 16' 28"
- Longitude by D. R. W. 68 ° 43' 43"
- Latitude by observations of ⊙ N 30 ° 23' 10"
- Longitude by chronometer from Forenoon Observations of ⊙ W 68 ° 45' 02"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 2 tenths per hour, setting to the N 10° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM " N.N.W. ¼ W. W. 4° 27' "

Water expended during the preceding 24 hours, 296 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1265 "

Coal consumed during the preceding 24 hours, 8 tons 1128 lbs.

Coal remaining on hand at Noon, 69 " 869 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9 | 3 | 6206.8 | N.N.W. ¼ W. | S.W. | 7 | | | 29-94 | 71 | 69 | 67 | 66 | b.c. | cir. cum. strm. | 1 | M |
| 2 | 7 | 4 | 6213.2 | " | " | 6-7 | | | 29-86 | 73 | 70 | 68 | 66 | b.c.m. | " | 2 | " |
| 3 | 1 | 0 | | S.E. by S. | " | 6-8 | 7 | | 29-83 | 73 | 69 | 67 | 66 | " | " | 2 | " |
| 4 | 1 | 0 | | S.S.E. | S.W. by W. | 5-8 | 7 | | 29-83 | 73 | 69 | 67 | 66 | " | " | 2 | " |
| 5 | 1 | 0 | | " | S.W. | 7-9 | 7 | | 29-83 | 74 | 69 | 66 | 66 | o.c.m.p. | " | 0 | R.S. |
| 6 | 0 | 5 | | S. by W. | W. by N. | 7-9 | 7 | | 29-91 | 77 | 65 | 63 | 66 | o.c.g.s.l. | " | 0 | " |
| 7 | 0 | 7 | | S.W. by S. | " | 6-9 | 6 | | 29-93 | 77 | 65 | 62 | 66 | b.c.g.l. | " | 1 | " |
| 8 | 0 | 5 | | S.S.W. | West | 7-10 | 6 | | 29-98 | 76 | 65 | 62 | 66 | " | " | 1 | " |
| 9 | 0 | 5 | | S.W. by S. | N.W. | 6-8 | 6 | | 29-98 | 74 | 64 | 60 | 66 | " | " | 2 | " |
| 10 | 0 | 5 | | " | " | 6-9 | 6 | | 30-00 | 74 | 64 | 58 | 66 | " | " | 4 | " |
| 11 | 0 | 5 | | " | " | 6-9 | 6 | | 30-00 | 72 | 63 | 57 | 66 | b.c.g. | cir. cum. | 4 | " |
| Mid. | 0 | 5 | | " | " | 6-9 | 6 | | 30-01 | 72 | 63 | 57 | 65 | " | " | 8 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Wednesday, February 22, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 A.M.

Generally clear & pleasant with bright starlight. Moderate to gentle breeze from E.S.E. to S.S.E. Moderate sea with long swell. Ship rolling easily. Hauled down fore & main topmast stay-sails, & hailed up main trysail & spanker. At end of watch ship under steam, two boilers, fires banked under 3rd boiler, and topsails foresail & jib. Steam 71 lbs Revolutions 41.1

W. T. Wilmer
Lieut. U.S.N.

4 to 8 A.M.

Alternating cloudy and clear. Barometer falling slowly. Fresh breeze from S. and S. by W. Moderate following sea. At 4.30 sighted a ship standing to E. At 6.30 set staysails, main trysail and spanker. At sunrise dressed ship, national flags at masthead. Ac steam 70 lbs. Av. revolutions 44.1.

J. D. Brewster
Lieut. U.S.N.

8 A.M. to Meridian.

Fair & pleasant, fresh breeze from S.S.W. Mustered at quarters. Stopped steaming at 11.45 hauled the fire under 2 boiler & banked fires under the other two. Course N.N.W. 1/2 W. Moderate sea: no swell. Barometer failing steadily. Average revolutions 47.4 Average steam 70.

W. Ingram Hall
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy. Stiff breeze to moderate gale from S.W. to S.W. by W. 1st hour barometer dropped rapidly. Took in spanker & main topmast staysail. At 1.10 called all hands and close reefed the topsails. At 2 wore ship, brought by the wind on the starboard tack, took in and furled foretopsail & forecail. Set fore storm staysail & storm mizzen got up preventer braces & secured everything about the decks. Laying to last two hours of watch. Sea moderate. Fires banked.

W. O. Wilmer
Ensign U.S.N.

4 to 6 P.M.

Overcast & cloudy. squally with heavy rain first hour. Lightning to S.E. Very fresh breezes to strong gale from S.W. shifting to W. by N. Set main trysail goose-winged at 5.30 Fires banked.

C. Cluverius
Ensign U.S.N.

6 o'clock to 8 P.M.

Generally overcast with a light break in the clouds to windward last hour. Very fresh breeze to full gale from W. by N. to West. Laying to under close-reefed maintopsail, foretopmast staysail, fore storm staysail, main trysail sheet & storm mizzen. At 7.00 hauled down foretopmast staysail.

Edgar T. Wellman
Lieut. U.S.N.

8 P.M. to Midnight.

Cloudy first hour. Clear last three hours. Blowing a strong gale from N.W. with very frequent heavy squalls. Rough sea. Ship rolling heavily.

Examined and found to be correct.

W. T. Wilmer
Lieut. U.S.N.

E. K. Curtis Jr. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

4th Lieut. making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 1 | 5 | | S.W. by S. | N.W. | 5-8 | | 6 | 30-05 | 68 | 63 | 58 | 65 | b.c. | cum. nim. | 4 | 76 |
| 2 | 1 | 5 | | S.W. | " | 5-8 | | 6 | 30-06 | 68 | 63 | 58 | 65 | " | " | 5 | " |
| 3 | 1 | 0 | | S.W. by W. | N.W. by N. | 3-8 | | 6 | 30-06 | 68 | 62 | 57 | 65 | " | " | 5 | " |
| 4 | 1 | 0 | | " | " | 5-8 | | 6 | 30-06 | 68 | 62 | 56 | 65 | " | " | 4 | " |
| 5 | 1 | 0 | | " | " | 4-6 | | 4 | 30-08 | 67 | 61 | 55 | 65 | " | " | 3 | " |
| 6 | 1 | 0 | | " | " | 3-5 | | 4 | 30-11 | 67 | 61 | 55 | 66 | " | " | 2 | " |
| 7 | 2 | 0 | 6216.5 | N.N.W. 1/4 W. | " | 4 | | | 30-12 | 67 | 62 | 56 | 66 | b.c. | " | 2 | L.H. |
| 8 | 5 | 0 | 6222.0 | " | N.N.W. | 3 | | | 30-11 | 73 | 62 | 56 | 66 | " | Cir, Cum, Cu. | 2 | " |
| 9 | 6 | 5 | 6228.5 | " | N.W. by N. | 4 | | | 30-21 | 72 | 62 | 56 | 67 | " | " | 4 | " |
| 10 | 6 | 8 | 6235.3 | " | " | 4 | | | 30-21 | 72 | 63 | 57 | 67 | " | cir cum | 1 | L.W. |
| 11 | 7 | 2 | 6242.5 | " | " | 3 | | | 30-22 | 75 | 64 | 58 | 67 | " | " | 7 | " |
| Noon. | 7 | 0 | 6249.3 | " | N.N.W. | 3 | | | 30-22 | 75 | 65 | 59 | 67 | " | " | 7 | " |

Course and distance made good since preceding noon by observations, N. 16° W. 20 knots tenths.

Position at Noon:
- Latitude by D. R. N 30 ° 56' 22"
- Longitude by D. R. W 69 ° 03' 50"
- Latitude by observations of ⊙ N 30 ° 42' 25"
- Longitude by chronometer from Forenoon Observations of ⊙ W 68 ° 50' 43"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 7 tenths per hour, setting to the E. 51° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM " N.N.W. 1/4 W. W. 4° 24' "

Water expended during the preceding 24 hours, 293 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 972 "

Coal consumed during the preceding 24 hours, 3 tons 2080 lbs.

Coal remaining on hand at Noon, 65 " 1029 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 8 | 6256.1 | N.N.W. 1/4 W. | N.N.W. | 3 | | 30-20 | 74 | 64 | 59 | 67 | b.c. | Cir Cum. | 8 | 28 |
| 2 | 5 | 8 | 6261.7 | " | " | 2 | | 30-17 | 74 | 64 | 58 | 67 | " | " | 8 | " |
| 3 | 6 | 5 | 6268.2 | " | " | 2 | | 30-17 | 74 | 64 | 57 | 67 | " | " | 8 | " |
| 4 | 7 | 2 | 6275.5 | " | N.W. by N | 2 | | 30-18 | 74 | 64 | 58 | 66 | " | " | 9 | " |
| 5 | 7 | 4 | 6281.9 | " | " | 2 | | 30-14 | 73 | 63 | 58 | 66 | " | " | 8 | " |
| 6 | 8 | 2 | 6289.8 | " | W.N.W. | 2 | | 30-14 | 74 | 63 | 58 | 66 | " | " | 8 | " |
| 7 | 8 | 0 | 6297.0 | " | West | 2 | | 30-17 | 75 | 62 | 57 | 66 | " | " | 7 | " |
| 8 | 8 | 2 | 6305.0 | " | W.S.W. | 3 | | 30-15 | 75 | 62 | 57 | 66 | " | " | 4 | " |
| 9 | 9 | 2 | 6313.5 | " | S.W. | 4 | | 30-14 | 75 | 62 | 57 | 66 | " | " | 4 | " |
| 10 | 9 | 8 | 6323.0 | " | " | 4 | | 30-14 | 75 | 62 | 57 | 66 | " | " | 2 | " |
| 11 | 9 | 7 | 6333.0 | " | S.W. by W. | 4-5 | | 30-11 | 72 | 63 | 57 | 66 | " | " | 2 | " |
| Mid. | 9 | 3 | 6342.3 | " | " | 4-5 | | 30-06 | 70 | 63 | 57 | 66 | " | " | 1 | " |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday, February 23, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Barometer rising. Wind from N.W. N.W. by N. and N.N.W. blowing at times with force of moderate gale, decreasing in force at end of watch - and veering gradually to N.E. Heavy sea from N.E. Lying to under fore Storm staysail. close-reefed main topsail, foot of main Trysail and Storm mizzen. Tiers banked.

N. J. Newton
Lieut. U.S.N.

4 to 8 A.M.

Fair and pleasant. barometer rising. Gentle to steff breze from N.W. by N. and N.N.W. At 6 spread fires and at 6.20 started ahead on Engines, took in all sail. Course N.N.W. 1/4 W. Started fires under D boiler and at 7.35 steam had formed in it. Average steam 65. Average revolutions 41.

F. W. Rg Mason Ens.
Ensign U.S.N.

8 A.M. to Meridian.

Clear. Moderate to gentle breze from N.W. by N. to N.N.W. At 9.30 mustered at quarters. J. Comin, (oiler) reported expiration of term of enlistment. At 12. started fires in distilling boiler. During 1st hour barometer rose rapidly. Long heavy to moderate swell from N.E. and W.E.

W. O. Stevens
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light breezes from N.N.W. and N.W. by W. Steaming with three boilers, Average revolutions 42.2. Average steam 71.5. Started distilling. Long swell from N.E. and W.E.

C. M. Stone
Ensign U.S.N.

4 o'clock to 6 P.M.

Clear and pleasant. Light breze from N.W. by W. to N.N.W. Long heavy swell from N.W. Steering a course N.N.W. 1/4 W. At 4.30 the port after boiler sprung a leak. Hauled fires under it and put the distilling boiler on for steaming. At 5.25 set the jib. At 5.45 set the main topmast and mizzen Topmast staysails. Average steam 66; revolutions 45.

H. Fairfax Wm Holmes
Lieut. U.S.N.

6 to 8 P.M.

Clear and pleasant. Light to gentle breze from West to N.W. Smooth sea with Long swell. Set fore top staysail, foresail, topsails, main try sail and spanker. Steam 66. Revolutions 45.4.

W. Farrow
Lieut. U.S.N.

8 P.M. to Midnight.

Cloudy - occasional moon light - barometer falling - moderate to fresh breze from S.W. and S.W. by W. and freshening - hauled down mizzen topmast staysail and took in spanker. Average revs. 49.

N. J. Newton
Lieut. U.S.N.

Av. steam pres. 68 lbs

Examined and found to be correct.

G. K. Lewis
Lt. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 10 | 0 | 6352.2 | N.N.W.½W. | W.S.W. | 5 | | | 30-03 | 69 | 64 | 58 | 65 | o.c. | cum nim | 0 | L.S. |
| 2 | 9 | 9 | 6362.0 | " | " | 5 | | | 29-99 | 69 | 65 | 58 | 65 | " | " | 1 | " |
| 3 | 9 | 4 | 6371.3 | " | " | 4-6 | | | 29-96 | 69 | 65 | 60 | 65 | o.c.g. | " | 0 | " |
| 4 | 9 | 4 | 6380.8 | " | " | 4-6 | | | 29-96 | 69 | 65 | 60 | 65 | " | " | 0 | " |
| 5 | 9 | 3 | 6389.5 | " | " | 5-6 | | | 29-93 | 69 | 65 | 62 | 65 | f.c.g. | " | 2 | L |
| 6 | 9 | 5 | 6399.0 | " | W.by S. | 5-7 | | | 29-91 | 69 | 65 | 61 | 65 | " | " | 5 | " |
| 7 | 9 | 4 | 6408.4 | " | " | 5-6 | | | 29-91 | 69 | 65 | 62 | 65 | " | " | 7 | " |
| 8 | 9 | 8 | 6418.2 | " | W.S.W. | 5-7 | | | 29-89 | 69 | 65 | 62 | 65 | " | cir. cum. str. | 7 | " |
| 9 | 9 | 0 | 6427.2 | " | " | 6-8 | | | 29-86 | 70 | 66 | 62 | 65 | h.c.g.m. | " | 6 | L.H. |
| 10 | 9 | 0 | 6436.2 | " | " | 5-8 | | | 29-87 | 70 | 66 | 63 | 65 | " | " | 3 | " |
| 11 | 7 | 6 | 6443.8 | N.by W. N.N.W. ¼ W. | W.by S. | 4-8 | | | 29-89 | 70 | 66 | 63 | 65 | o.c.g. | " | 0 | " |
| Noon. | 7 | 8 | 6452.2 | " | West | 6 | | | 29-86 | 69 | 64 | 62 | 65 | h.c. | " | 6 | " |

Course and distance made good since preceding noon by observations, W. 28° N. 193 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 33 ° 36' 13"
- Longitude by D. R. W. 70 ° 53' 25"
- Latitude by observations of ⊙ N. 33 ° 33' 46"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 70 ° 37' 10"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 5 tenths per hour, setting to the E. 10° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. " N.NW.¼W. W. 7° 02' "

Water expended during the preceding 24 hours, 295 gallons.

Water distilled during the preceding 24 hours, 2171 "

Water remaining on hand fit for use at Noon, 2848 "

Coal consumed during the preceding 24 hours, 12 tons 64 lbs.

Coal remaining on hand at Noon, 53 " 965 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 3 | 6456.0 | N. N.W. ½ W. | N.W. | N.W. by W. | 6-8 | | | 29-86 | 70 | 66 | 62 | 65 | clouding | cir. cum. str. | 2 | L.H. |
| 2 | 4 5 | 6463.0 | " | " | " | 7 | | | 29-89 | 70 | 66 | 60 | 65 | " | " | 3 | " |
| 3 | 4 0 | 6467.0 | " | " | " | 7 | | | 29-87 | 70 | 66 | 60 | 65 | " | " | 3 | " |
| 4 | 1 0 | 6468.0 | " | S.W. by W. | " | 7 | | | 29-87 | 69 | 64 | 58 | 65 | " | " | 4 | " |
| 5 | 0 5 | | " | " | N.W. | 5 | | | 29-91 | 69 | 63 | 57 | 65 | h.c.m. | " | 6 | " |
| 6 | 0 5 | | " | " | " | 4 | | | 29-91 | 70 | 63 | 57 | 64 | " | " | 4 | " |
| 7 | 0 5 | | " | " | " | 3 | | | 29-93 | 72 | 62 | 56 | 64 | " | " | 2 | " |
| 8 | 0 5 | | " | " | " | 3 | | | 29-95 | 72 | 62 | 56 | 64 | " | " | 5 | " |
| 9 | 1 0 | | " | " | " | 3 | | | 30-01 | 74 | 61 | 55 | 64 | " | " | 5 | " |
| 10 | 1 0 | 6469.0 | " | N.W. | " | 3 | | | 30-02 | 73 | 61 | 55 | 64 | " | " | 5 | " |
| 11 | 6 4 | 6475.0 | " | " | " | 3 | | | 30-02 | 71 | 61 | 55 | 64 | " | " | 5 | " |
| Mid. | 7 0 | 6482.0 | " | " | " | 3 | | | 30-03 | 71 | 60 | 55 | 64 | " | " | 5 | " |

under the command of W. W. Mead Commander, U. S. Navy,

Friday February 24, 18 73.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 2nd until 4 A.M.

Overcast, moderate to fresh breeze from W.S.W. Very fresh squalls at intervals. Barometer falling. Course N.N.W. 1/4 W. Steaming under three boilers, with jib, fore topmast staysail, foresail, topsails, main topmast staysail and main trysail. At 2.00 P.M. took two single reefs in topsails. Took in main trysail to ease the helm. Average revolutions 48.1. Average steam 68.

W. Bayman Wilde.
Ensign U.S.N.

4 to 8 P.M.

Cloudy first part, clear last part. Stiff to very fresh breeze in squalls from W.S.W. to W. by S. Hauled down main topmast staysail. Steam 72 lbs. Average revolutions 48.05.

W.O. Wilcox
Ensign U.S.N.

8 P.M. to Meridian.

Cloudy with heavy rain squall third hour. Moderate breezes to moderate gale from W.S.W. to West, shifting to N.N.W. and back again during third hour. At 9.20 mustered divisions at quarters. At 10.15 took close reef in topsails and single-reefed the foresail. Afterwards furled foresail. At 10.40 furled topsails and set trysail and spanker and fore storm staysail. At 10.45 hauled down fore storm staysail and set foresail reefed. At 11.20 set jib and at 11.30 the main topmast staysail. At end of watch ship under single reefed foresail, fore topmast staysail, jib, main topmast staysail, spanker and main trysail. Stopped distilling. Steaming with three boilers, average steam 66, average revolutions 43.3. W. C. Pugh (Quarter Gunner) reported the expiration of his time.

C. W. Rowe
Ensign U.S.N.

Meridian to 4 P.M.

Hazy and thick around horizon. Generally cloudy. Wind blowing from N.W. by W., with force of moderate gale to very fresh breeze. Long heavy swell from N.W. At 12.30 furled foresail and stowed fore and aft sail. At 2.30 changed course to N.W. At 3.15 the sea being too heavy to make proper headway - laid-to on starboard tack under close-reefed maintopsail, fore stormstaysail, main trysail and spanker, to await smoother weather. Hauled fires under two boilers and banked them under the third. Hauled in the patent log reading 56. Average steam 68. Revolutions 48.

H. George Coleman
Lieut. U.S.N.

4 to 6 P.M.

Cloudy and hazy. Stiff breeze from N.W., moderating last hour. Rough sea with long heavy swell, moderating last hour. Hauled down fore stormstaysail.

W. H. Wilcox
Lieut. U.S.N.

6 to 8 P.M.

Cloudy - clearing last hour - barometer rising. Gentle breeze from N.W., with heavy sea from same direction. Fires banked under one boiler.

N. J. I. Nevitt
Lieut. U.S.N.

8 P.M. to Midnight.

Fair and pleasant, gentle breeze from N.W. Spread fires under one boiler and started fires under two more at 9.00. At 9.50 started ahead, course N.W. Patent Log 68. Took in and furled sail. Average steam 67. Average revolutions 49.

Examined and found to be correct.

W. Bayman Wilde.
Ensign U.S.N.

E. K. Lewis
Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 7 | 5 | 6489.5 | N.W. | North | 3 | | | 30.02 | 69 | 60 | 55 | 65 | ba | bi. cum. str. | 1 | L. |
| 2 | 7 | 5 | 6497.0 | " | " | 2 | | | 30-02 | 68 | 60 | 55 | 65 | " | " | 1 | " |
| 3 | 7 | 5 | 6504.5 | " | " | 2 | | | 30-01 | 68 | 60 | 55 | 65 | " | " | 6 | " |
| 4 | 7 | 8 | 6512.3 | " | " | 1 | | | 30-01 | 67 | 60 | 55 | 65 | " | " | 5 | " |
| 5 | 8 | 1 | 6520.3 | " | " | 1 | | | 29-99 | 67 | 60 | 56 | 66 | " | " | 5 | " |
| 6 | 8 | 1 | 6528.3 | " | " | 1 | | | 30-00 | 67 | 60 | 57 | 67 | " | cirro. cirro. str. | 2 | " |
| 7 | 8 | 0 | 6536.2 | " | " | 2 | | | 30-00 | 65 | 61 | 58 | 67 | " | " | 2 | " |
| 8 | 8 | 0 | 6544.2 | " | N.N.E. | 1 | | | 30-05 | 75 | 61 | 57 | 67 | " | bi. cum. str. | 4 | " |
| 9 | 8 | 2 | 6552.0 | " | " | 1 | | | 30-05 | 75 | 62 | 58 | 67 | " | " | 2 | " |
| 10 | 8 | 9 | 6560.1 | " | East. | 2 | | | 30-02 | 69 | 63 | 59 | 67 | " | " | 2 | " |
| 11 | 8 | 7 | 6568.6 | " | " | 3 | | | 30-02 | 70 | 64 | 59 | 66 | " | " | 1 | " |
| Noon. | 10 | 0 | 6578.6 | " | S.W. | 3 | | | 30-01 | 73 | 62 | 55 | 65 | ocm. | " | 0 | " |

Course and distance made good since preceding noon by observations, N. 53° W. 115 knots. tenths.

Position at Noon:
- Latitude by D. R. N 34 ° 47' 22"
- Longitude by D. R. W 72 ° 29' 04"
- Latitude by observations of ⊙ N 34 ° 42' 44"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 72 ° 28' 52"

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots 2 tenths per hour, setting to the S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A. M. " N.W. W. 5 ° 14' "

Water expended during the preceding 24 hours, 311 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2537 "

Coal consumed during the preceding 24 hours, 9 tons 1525 lbs.

Coal remaining on hand at Noon, 43 " 1377 "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | 10 | 0 | 6588.2 | N.W. | S.W. | 3 | | | 29-97 | 73 | 61 | 56 | 65 | ba | cum nim. | 3 | S |
| 2 | 11 | 4 | 6598.0 | NW ¼ W. | " | 4 | | | 29-93 | 72 | 61 | 56 | 65 | " | " | 3 | " |
| 3 | 10 | 5 | 6608.5 | " | " | 4 | | | 29-90 | 70 | 62 | 56 | 68 | oc | " | 0 | " |
| 4 | 10 | 8 | 6619.0 | " | " | 5 | | | 29-87 | 70 | 60 | 57 | 73 | ocp. | " | 0 | " |
| 5 | 9 | 0 | 6628.0 | " | W.S.W. | 4 | | | 29-85 | 72 | 61 | 58 | 72 | ocr. | " | 0 | " |
| 6 | 9 | 0 | 6637.0 | " | W. by S. | 4 | | | 29-86 | 76 | 62 | 59 | 72 | bcr. | " | 2 | H |
| 7 | 9 | 0 | 6646.0 | " | " | 6 | | | 29-86 | 76 | 64 | 59 | 72 | bcl. | " | 5 | |
| 8 | 8 | 0 | 6653.8 | " | W. by N. | 6 | | | 29-85 | 76 | 65 | 57 | 72 | " | cir cum. | 6 | |
| 8.14 9 | 4 3 | 4 | 6660.5 | N.W. | N.W. by W. | 4-6 | | | 29-85 | 76 | 64 | 58 | 72 | bc mg. | " | 8 | |
| 10 | 5 | 5 | 6666.0 | NW. ¼ W. | " | 4-7 | | | 29-89 | 75 | 63 | 56 | 72 | " | " | 8 | |
| 11 | 4 | 9 | 6670.9 | " | " | 6-8 | | | 29-88 | 73 | 62 | 56 | 72 | bcyl. | " | 8 | |
| Mid. | 1 | 2 | 6674.8 | " | N.W. | 6-8 | | | 29-88 | 69 | 63 | 56 | 72 | " | " | 8 | |

under the command of N. W. Head, Commander, U. S. Navy,

Saturday February 25, 18 72.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences [illegible] until 4 A.M.

Cloudy. Gentle breeze to light airs from the North. Under steam. At 12.30 set jib and fore, main and mizzen topmast staysails. At end of watch took in all sail. Steam 69. Revolutions 48.

W. O. Barbee
Ensign U.S.N.

4 to 8 A.M.

Cloudy. Light airs and breezes from North and N.N.E. Set jib, main and mizzen topmast staysails. Steaming with three boilers. Average steam 70. Average revolutions 49.

C. M. Stone
Ensign U.S.N.

8 A.M. to Meridian

Cloudy. Light airs to gentle breeze from N.N.E. to East first part, shifting to S.W. at 11. Steering a course N.W. At 9.30 set topsails, foresail and jib. At 11.15 set staysails maintrysail and spanker. Average steam 67: revolutions 47.

C. Carlson (Blacksmith) reported his term of enlistment as having expired.

By order of the Commanding Officer on recommendation of the Board of Survey threw overboard the following stores in Paymasters Department:—
4½ lbs. pickles and 1½ lbs vegetables.

Jas. Lyn Coleman
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy with rain squall first part of last hour. Gentle to stiff breeze from S.W. At 1.00 changed course to N.W. ¼ W. (pre.) Temperature of surface water rose from 65° to 73°. Steam 66. Revolutions 51½.

[illegible]
Lieut. U.S.N.

4 to 6 P.M.

Overcast - barometer steady - moderate breeze from W. by S. Lightning to S.E. and S. and S.E. and E. Furled square sail. Took in main and mizzen top staysails. Average steam 70. Average revolutions 50.

J. T. Hunter
Lieut. U.S.N.

6 to 8 P.M.

Fair and pleasant. Strong breeze from W. by S. to W. by N. Course N.W. ¼ W. Took in fore and aft sails. Average steam 68. Average revolutions 50.

Wm. Ogden Rossell.
Ensign U.S.N.

8 P.M. to Midnight.

Clear. Lightning all around horizon. Moderate breeze to moderate gale from N.W. by W. to N.W. At 8.14 changed course to N.W. Patent Log 55.1 and at 9. to N.W. ¼ W. Patent Log 60.5. At 12. hove to under storm mizzen and main trysail to make some repairs to engines. Average Revolutions Steam .

W. O. Barbee
Ensign U.S.N.

Examined and found to be correct.

Lt. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea, making passage to United States.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 0 | 5 | | N.E. | N. by W. | 7-8 | | 7 | 29-93 | 71 | 54 | 52 | 73 | fog | Cum. Nim. | 6 | 8 |
| 2 | 0 | 5 | | " | " | 7-8 | | 7 | 29-95 | 65 | 51 | 49 | 73 | " | " | 6 | M |
| 3 | 1 | 0 | | N.E. by E | N.N.W. | 9-10 | | 7 | 29-92 | 60 | 49 | 46 | 73 | " | " | 4 | H. |
| 4 | 1 | 0 | | " | " | 7-9 | | 7 | 29 96 | 60 | 47 | 44 | 73 | " | " | 4 | RH |
| 5 | 2 | 5 | | NW. ¾ W. | " | 8-10 | | | 29-99 | 60 | 45 | 43 | 73 | " | " | 6 | " |
| 6 | 6 | 8 | | WNW. ½ W. | " | 8-10 | | | 30-05 | 64 | 45 | 42 | 72 | " | " | 4 | " |
| 7 | 3 | 0 | | WNW. | | | | | | | | | | | | | |
| | 0 | 7 | | WNW. ½ W | N. by W. | 6-9 | | 7 | 30-14 | 69 | 44 | 41 | 72 | " | " | 3 | " |
| 8 | | | | " | North. | 6-9 | | 7 | 30-20 | 74 | 44 | 41 | 72 | " | Cir. Cum. Nim. | 3 | " |
| 9 | 0 | 5 | | " | " | 6-9 | | 7 | 30-22 | 64 | 43 | 41 | 72 | " | " | 4 | " |
| 10 | 0 | 5 | | " | " | 6-9 | | 7 | 30-29 | 65 | 44 | 41 | 72 | " | " | 4 | " |
| 11 | 0 | 5 | | " | " | 4-7 | | 7 | 30-30 | 64 | 44 | 41 | 72 | " | " | 4 | " |
| Noon. | 0 | 5 | | " | " | 6-9 | | 7 | 30-31 | 68 | 44 | 41 | 72 | " | " | 4 | " |

Course and distance made good since preceding noon by observations, N. 28° W. 77 knots. tenths.

Position at Noon:
- Latitude by D. R. N 35 ° 40 ' 50 "
- Longitude by D. R. W 74 ° 18 ' 58 "
- Latitude by observations of ⊙ N 35 ° 52 ' 19 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 73 ° 14 ' 45 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, 2 knots 1 tenths per hour, setting to the E. 12° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at "(No observation - too much motion.)

Water expended during the preceding 24 hours, 298 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2239 "

Coal consumed during the preceding 24 hours, 8 tons 1400 lbs.

Coal remaining on hand at Noon, 34 " 2217 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | | W by N. | North. | 6-8 | | 7 | 30-26 | 63 | 44 | 41 | 72 | fog | Cum. Nim | 4 | RN |
| 2 | 1 | 0 | | " | " | 6-8 | | 7 | 30-24 | 61 | 44 | 41 | 72 | " | " | 4 | " |
| 3 | 1 | 0 | | West. | N.N.W. | 5-7 | | 7 | 30-28 | 69 | 44 | 41 | 72 | " | " | 4 | " |
| 4 | 1 | 0 | 6679.1 | W. by N. | N. by W. | 5-7 | | 7 | 30-30 | 65 | 44 | 41 | 72 | " | " | 4 | " |
| 5 | 3 | 0 | 6682.2 | N.W by W. | North. | 4-6 | | | 30-31 | 70 | 44 | 41 | 72 | " | " | 3 | " |
| 6 | 6 | 8 | 6688.8 | " | N. by W. | 5 | | | 30-33 | 69 | 43 | 40 | 72 | " | " | 3 | " |
| 7 | 6 | 8 | 6695.6 | " | " | 4-6 | | | 30-35 | 71 | 42 | 40 | 72 | " | " | 3 | " |
| 8 | 7 | 4 | 6703.0 | " | " | 4-6 | | | 30-38 | 72 | 41 | 39 | 72 | " | " | 3 | " |
| 9 | 4 | 0 | 6707.0 | | | | | | | | | | | | | | |
| | 4 | 0 | 6710.8 | NW. by W. ½ W. | " | 5 | | | 30-38 | 70 | 42 | 38 | 64 | fog | " | 9 | M |
| 10 | 5 | 5 | 6719.3 | " | " | 4 | | | 30-38 | 70 | 43 | 39 | 64 | " | " | 9 | " |
| 11 | 7 | 9 | 6727.0 | " | " | 3 | | | 30-38 | 75 | 43 | 39 | 64 | " | " | 9 | " |
| Mid. | 7 | 8 | 6734.0 | " | " | 3 | | | 30-39 | 64 | 43 | 39 | 60 | " | " | 9 | " |

under the command of A. W. Mead, Commander, U. S. Navy,

Sunday, February 26, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 2nd until 4 A.M.
Cloudy. Very fresh breezes to whole gale from N.by W. and N.N.W. Took sounding at 3.00; no bottom at 50 fathoms. Started ahead at 3.50 on course N.W. ½ W. Took in trysail and storm mizzen.

Wm. S. Crowe
Ensign U.S.N.

4 o'clock to 8 A.M.
Cloudy. Full gale in squalls from N.N.W. to North. Rough heavy sea. At 5.00 set jib, main trysail sheet and storm mizzen. ~~Split the jib.~~ Set fore topmast staysail. ~~Split~~ fore topmast staysail. Set fore storm staysail and laid-to under close-reefed main topsail, fore storm staysail, main trysail sheet and storm mizzen. Banked fires.

Geo. Lux Kalman
Lieut U.S.N.

8 A.M. to Meridian.
Cloudy. Stong gale in heavy squalls from North. Rough heavy sea. Barometer rising. At 9.30 mustered at quarters.

W. ~~Harrison~~
Lieut U.S.N.

Meridian to 4 P.M.
Cloudy - wind from N - N.N.W. N.by W. - from fresh to moderate gale 1st part of watch - fresh to very fresh in latter part. Wind and sea moderating. At 3.50 spread fires - took in and furled main topsail. Shifted jib and fore top staysail.

x J.J. Hunter.
Lieut U.S.N.

4 to 6 P.M.
Fair and pleasant. Moderate to fresh breeze from N. and N.by W. Sea moderating. At 4.25 started ahead on engines. Course N.W. by W. Pat Log 79.1. Took in mizzen storm staysail and set spanker, jib and main topmast stay sail. Average Steam 63. Average revolutions 39.

W. Bryson Hall.
Ensign U.S.N.

6 to 8 P.M.
Cloudy. Moderate to fresh breeze from W by N. Average revolutions 49.9
Steam 68 lbs

W. O. Stuhlman
Ensign U.S.N.

8 P.M. to Midnight.
Clear and cool; gentle to fresh breezes from N.by W. At 8.20 changed course to N.W. by W ½ W patent log 7. Took in all fore and aft sail except main topmast staysail - at 10.00, Steaming with three boilers Average Steam 66 Average revolutions 49.5

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

M. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At sea. making passage to United States

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | 8 | 5 | 6742.4 | N.W. by W. ½ W. | N. by W. | 3 | | | 30-41 | 60 | 43 | 39 | 56 | b.c.m. | Cir. St. | 7 | M |
| 2 | 9 | 0 | 6751.3 | " | North. | 3 | | | 30-40 | 58 | 44 | 39 | 53 | " | " | 8 | " |
| 3 | 8 | 2 | 6759.8 | " | " | 3 | | | 30-40 | 58 | 42 | 39 | 53 | " | " | 8 | " |
| 4 | 7 | 8 | 6767.8 | " | " | 3 | | | 30-40 | 57 | 43 | 39 | 52 | " | " | 9 | " |
| 5 | 6 | 6 | 6774.4 | " | " | 2 | | | 30-41 | 58 | 43 | 39 | 49 | " | " | 7 | S. |
| 6 | 9 | 8 | 6784.2 | " | N.NW. | 1 | | | 30-43 | 58 | 45 | 40 | 48 | " | " | 7 | " |
| 7 | 9 | 4 | 6792.2 | " | " | 1 | | | 30-43 | 57 | 45 | 42 | 48 | " | " | 1 | " |
| 8 | 9 | 0 | 6801.0 | " | " | 2 | | | 30-45 | 70 | 43 | 40 | 48 | " | " | 1 | " |
| 9 | 8 | 9 | 6809.9 | " | " | 2 | | | 30-50 | 70 | 46 | 43 | 48 | " | " | 2 | " |
| 10 | 4 | 3 | 6819.0 | N.W. by W. ¼ W. | " | 2 | | | 30-49 | 65 | 45 | 42 | 40 | o.c. | " | 0 | " |
| 11 | 9 | 2 | 6829.2 | " | N. ~~N.~~. | 2 | | | 30-43 | 44 | 42 | 40 | 40 | " | " | 0 | " |
| Noon. | 6 | 1 | 6839.8 | W.NW. ½ W. | N.NW. | 2 | | | 30-47 | 63 | 43 | 41 | 40 | " | " | 0 | " |

Course and distance made good since preceding noon by observations, W 27° N. 131 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 36 ° 50 ' 43 "
- Longitude by D. R. W. 76 ° 20 ' 45 "
- Latitude by observations of ⊙ N. 36 ° 53 ' 00 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 75 ° 38 ' 00 "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, 1 knots 7 tenths per hour, setting to the E° 3° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 296 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1943 "

Coal consumed during the preceding 24 hours, 10 tons 1826 lbs.

Coal remaining on hand at Noon, 24 " 391 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 7 | 6849.0 | N. ½ N. | N.N.E. | 1 | 30-47 | 70 | 49 | 41 | b.c. | Cir. Cum. St. | 1 | S |
| 2 | 7 | 5 | 6856.5 | N. by N. | " | 1 | 30-44 | 68 | 43 | 45 | " | " | 1 | " |
| 3 | 7 | 5 | 6864.0 | Standing in port. | N.N.W. | 2 | 30-43 | 64 | 45 | 43 | o.c. | " | 0 | " |
| 4 | | | | " | " | 2 | 30-43 | 64 | 45 | 44 | " | " | 0 | |
| 5 | | | | East. | E.S.E. | 2 | 30-44 | 66 | 45 | 43 | " | " | 0 | |
| 6 | | | | " | " | 2 | 30-44 | 73 | 44 | 42 | " | " | 0 | |
| 7 | | | | " | " | 2 | 30-44 | 73 | 43 | 43 | " | " | 0 | |
| 8 | | | | " | E.N.E. | 2 | 30-43 | 73 | 47 | 45 | " | " | 0 | |
| 9 | | | | N. by W. | " | 3 | 30-42 | 68 | 47 | 43 | o.c. m.r. | " | 0 | |
| 10 | | | | W. by N. | " | 3 | 30-40 | 70 | 47 | 45 | o.c. m | " | 0 | |
| 11 | | | | W. by S. | E.S.E. | 3 | 30-38 | 64 | 47 | 44 | " | " | 0 | |
| Mid. | | | | W.S.W. | " | 3 | 30-35 | 58 | 45 | 44 | o.c. | Cum. Nim. | 0 | |

under the command of A. N. Mead, Commander, U. S. Navy,

Monday, February 27, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Hazy. Clear overhead a very large ring around the moon. Steering a course NW. by W ½ W. At 12.45 set all fore and aft sail. At 4.30 hauled up the spanker.

Frigyes Wm Holman
Lieut. U.S.N.

4 to 8 A.M.

Cloudy last three hours. Hazy along horizon. Light airs to light breze from North and N.N.W. Smooth sea. Took in all sail at 4.30. At 4 and 6 got cast of lead, no bottom and at 8. got cast in 17 fathoms, sandy bottom. Steam 65. Revolutions 46.2.

F. A. Wilner
Lieut. U.S.N.

8 AM. to Meridian.

Cloudy & overcast - barometer fluctuating - Light breze from N. and N.N.W. Got bottom with sounding machine at 8.45 in 16½ fathoms, fine yellow sand black specks. Between 8.45 and 11.30 got soundings with machine, about half hourly - the depths decreasing gradually to 7¾ fathoms at 11.30, bottom specimens, yellow sand. At 9.20 changed course to N.W. by W ½ W. patent log 114.2 At 11.30 changed course to N.W. by W ½ W. patent log 32.9 At 11.00 sighted Cape Charles Light-ship on starboard bow. - at 11.30 Cape Charles and Henry, on starboard bow and ahead. At noon Light-ship bore N (pa). Cape Charles N.W. ½ W. - Cape Henry ahead. Land in sight on port bows. Sent up t'gallant masts - Loosed sail to dry and furled. Average steam 67.5. Average revolutions 57.4.

W. T. Hawkins
Lieut. U.S.N.

Meridian to 4 P.M.

Fair and pleasant, light airs from N.N.E. backing N.N.W. During watch standing in for the Capes of the Chesapeake. At 12.34 changed course to W. by N. Pat Log 44.8 At 1.53 Cape Charles Light bore abeam distant 10½ miles At 2.25 Cape Henry Light bore abeam. Hauled in Patent Log at 2.53 reading 64. At end of watch Commanding Officer coming the Ships.

W. P. Van Hulsteld.
Ensign U.S.N.

4 to 8 P.M.

Overcast. Light E.S.E. breeze. Standing in to Hampton Roads. Commanding Officer coming. At 4.39 came to with port anchor in 11 fathoms, hard bottom, and moored ship 45 fathoms on each chain. Made number to Quarantine hulk which was not answered. then sent an officer on board. Lowered Steam Launch. Bearings at anchor. Old Point Comfort Light House N.E. by E ½ E.; Sewells Pt. S. 5° W. (pa). Hauled fires from one boiler and banked fires in two boilers. Jas Quigley (P.M.) was put in single irons by order of Commanding Officer.

W. O. Hulme
Ensign U.S.N.

8 PM to Midnight. Examined and found to be correct.

Cloudy and misty. Raining first hour. Gentle breezes from E. N.E. (and) E.S.E. Fires banked.

C. M. Stone
Ensign U.S.N.
Navigator.

L. K. Linsley

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Hampton Roads, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.W. by W. | S.E. | 4 | | | 30-32 | 51 | 44 | 41 | | o.c. | Cum. Nim. | 0 | |
| 2 | | | | S.W. by S. | " | 4 | | | 30-31 | 48 | 43 | 40 | | " | " | 0 | |
| 3 | | | | East | East. | 3 | | | 30-24 | 48 | 44 | 42 | | o.c.d.r. | " | 0 | |
| 4 | | | | " | E.S.E. | 3 | | | 30-26 | 52 | 44 | 41 | | o.c. | " | 0 | |
| 5 | | | | E by S. | S.E. by E. | 4 | | | 30-23 | 52 | 43 | 41 | | " | " | 0 | |
| 6 | | | | " | " | 4 | | | 30-21 | 54 | 43 | 41 | | o.c.w. | " | 0 | |
| 7 | | | | " | E by S. | 4 | | | 30-19 | 54 | 44 | 42 | | " | " | 0 | |
| 8 | | | | " | " | 3 | | | 30-21 | 70 | 45 | 43 | | o.c.d. | " | 0 | |
| 9 | | | | East. | " | 3 | | | 30-18 | 68 | 45 | 43 | | " | " | 0 | |
| 10 | (Eht | 0.00) | | E.S.E. | " | 3 | | | 30-17 | 71 | 47 | 46 | | o.c. | " | 0 | |
| 11 | | | | S.S.W. | E.S.E. | 4 | | | 30-14 | 70 | 47 | 45 | | o.c.d. | " | 0 | |
| Noon. | | | | W.S.W. | S.S.E. | 5 | | | 30-12 | 70 | 48 | 46 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 372 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1571 "

Coal consumed during the preceding 24 hours, 3 tons 650 lbs.

Coal remaining on hand at Noon, 20 " 1981 "

| P. M. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | S.W. by W. | S.S.E. | 4 | 30-07 | 69 | 53 | 51 | o.c.r. | Cum. Nim. | 0 | | | |
| 2 | | | S.W. by S. | " | 4-5 | 30-01 | 71 | 54 | 52 | o.c.gr. | " | 0 | | | |
| 3 | | | S.W. | S.W. by W. | 2 | 30-00 | 73 | 54 | 54 | o.c.r.m. | " | 0 | | | |
| 4 | | | S.W. by S. | " | 1 | 30-00 | 74 | 54 | 54 | " | " | 0 | | | |
| 5 | | | East. | South | 1 | 29-99 | 73 | 56 | 56 | o.c.r.f. | " | 0 | | | |
| 6 | | | " | N.N.W. | 3 | 29-99 | 72 | 54 | 52 | " | " | 0 | | | |
| 7 | | | N.E. by E. | " | 4 | 29-99 | 72 | 52 | 50 | o.c.d.r. | " | 0 | | | |
| 8 | | | " | " | 4 | 29-99 | 72 | 50 | 48 | " | " | 0 | | | |
| 9 | | | N by W. | " | 2 | 29-99 | 73 | 48 | 47 | o.a.r.m.w. | " | 0 | | | |
| 10 | | | W.N.W. | N.W. | 3 | 29-99 | 71 | 47 | 45 | " | " | 0 | | | |
| 11 | | | W. by N. | " | 5 | 30-01 | 64 | 44 | 42 | " | " | 0 | | | |
| Mid. | | | " | " | 4 | 30-02 | 63 | 44 | 42 | " | " | 0 | | | |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday, February 28, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast. Passing showers third hour. Moderate to gentle breeze from S.E. to East. At 3, swing to flood

H Geo. L. Wolman
Lieut. U.S.N.

4 to 8 AM.
Overcast misty and drizzling. Moderate breeze from S.E. by E. to E by S. U.S. Tug Standish stood out from Norfolk. Began painting ship.

W.O. Wilmer
Ensign U.S.N.

8 A.M. to Meridian.
Overcast. Cloudy and drizzling rain. Gentle to stiff breezes from E. by S. to S.S.E. Blacking ship. By order of Commanding Officer changed rates of R. Post, and W.R. Patterson, and L.W. Sapp, from Sea Apprentice 2 Class to S. Mpp. 1 class from February 1, 1893.

C.M. Klone
Ensign U.S.N.

Meridian to 4 P.M.
Overcast. Raining. Misty. Moderate breeze with stiff squalls from S.S.E. shifting to S.W. by W. at 2, and falling in force suddenly to light breezes and airs. Sent the sheet chain

H Geo. L. Wolman
Lieut. U.S.N.

4 to 8 P.M.
Overcast and cloudy. Drizzling rain and fog first two hours.
Light airs to moderate breezes from South and N.N.W.

C.M. Klone
Ensign U.S.N.

8 P.M. to Midnight.
Overcast. Light to stiff breze from N.N.W. to N.W. Began swinging across wind at about 8.30, finished swinging to ebb at 9.45.

H Geo. L. Wolman
Lieut. U.S.N.

Approved.
W. W. Mead
Comdr. Comdg

Examined and found to be correct.

A. K. Lunt
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Hampton Roads, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | W by S. | N.W. | 4-6 | | | 30-04 | 60 | 44 | 42 | | b.c. | Cum. Nim. | 2 | |
| 2 | | | | West - | " | 4-6 | | | 30-05 | 58 | 44 | 42 | | " | " | 3 | |
| 3 | (Flood tide) | | | N.W. | N. by W. | 4-6 | | | 30-06 | 58 | 44 | 43 | | " | " | 4 | |
| 4 | | | | N. by W. | " | 4-5 | | | 30-10 | 58 | 44 | 42 | | " | " | 4 | |
| 5 | | | | NE. by E. | " | 5 | | | 30-10 | 46 | 43 | 41 | | b.c. | Cir. Cum. Cir. | 1 | |
| 6 | | | | NNE. | " | 5 | | | 30-10 | 44 | 43 | 41 | | " | " | 6 | |
| 7 | | | | " | " | 5 | | | 30-14 | 43 | 43 | 40 | | " | " | 7 | |
| 8 | | | | " | " | 5 | | | 30-22 | 65 | 43 | 40 | | " | " | 7 | |
| 9 | | | | NNW. | NNE. | 5 | | | 30-25 | 72 | 43 | 40 | | " | " | 7 | |
| 10 | Ebb tide | | | N by W. | N by W. | 4 | | | 30-26 | 74 | 44 | 39 | | " | " | 7 | |
| 11 | | | | N.W. | " | 3 | | | 30-26 | 72 | 45 | 40 | | " | Cir. Cum. | 8 | |
| Noon. | | | | W.N.W. | " | 3 | | | 30-26 | 71 | 45 | 39 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 386 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1185 "

Coal consumed during the preceding 24 hours, 1 tons 1185 lbs.

Coal remaining on hand at Noon, 19 " 796 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | West | West. | 3 | 30-25 | 72 | 47 | 42 | | & | more | 10 | |
| 2 | | | W. by S. | N.W. | 3 | 30-25 | 75 | 50 | 43 | | " | " | 10 | |
| 3 | | | W.S.W. | W.N.W. | 3 | 30-24 | 73 | 51 | 45 | | " | " | 10 | |
| 4 | | | " | " | 3 | 30-22 | 73 | 52 | 48 | | " | " | 10 | |
| 5 | | | West. | " | 3 | 30-22 | 70 | 54 | 48 | | " | " | 10 | |
| 5.20 | Flood tide | | E.NE. | " | 3 | 30-21 | 79 | 55 | 50 | | " | " | 10 | |
| 6 | | | " | " | 3 | 30-21 | 78 | 54 | 50 | | " | " | 10 | |
| 7 | | | " | " | 2 | 30-21 | 77 | 52 | 48 | | " | " | 10 | |
| 8 | | | " | " | 1 | 30-21 | 77 | 52 | 48 | | " | " | 10 | |
| 9 | | | N.E. by E. | S.W. | 2 | 30-21 | 77 | 52 | 48 | | " | " | 10 | |
| 9.30 | Ebb tide | | West. | " | 2 | 30-21 | 78 | 57 | 47 | | " | " | 10 | |
| 10 | | | " | " | 1 | 30-21 | 71 | 49 | 45 | | " | " | 10 | |
| 11 | | | " | West. | 1 | 30-20 | 69 | 49 | 45 | | " | " | 10 | |
| Mid. | | | | | | | | | | | | | | |

under the command of W. W. Mead, Commander, U. S. Navy,

Wednesday, March 1, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.
Cloudy. Moderate to fresh breezes from N.W. and N by W.

C.M. Clone
Ensign U.S.N.

4 to 8 A.M.
Generally - clear and cool. Moderate to stiff breeze from N. by W. Received 95 lbs. beef, 95 lbs vegetables and 76 lbs. bread in Pay Department.

W. F. Harlow
Lieut. U.S.N.

8 A.M. to Meridian
Clear and pleasant. Stiff to gentle breeze from N.N.E. to N. by W. At 9.30 mustered at quarters and had divisional drill. Sent an officer to pay an official visit to the fort. The Commandant of the fort sent officers aboard to pay official visits. Distilling.

Geo. H. Coleman
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant - cool - Gentle breeze from W. to N.W. Loosed sail at 1. and furled at 3.50. Crew engaged in cleaning and touching up paintwork inside. Transfered A. J. Myers (Sea), and H. A. Jones (Pvt.), to the U.S.R.S. Franklin, with their bags, hammocks and accounts. Sent the remains of Wm. Sulthaus, (late Sea Apprentice 1st class) on shore for shipment to Baltimore Md. Distilling.

W. F. Harlow
Lieut. U.S.N.

4 o'clock to 8 P.M.
Clear and cool. Gentle breze to light airs from W.N.W. At 5.45 mustered at quarters and served out clean hammocks. Swung to flood at 6.20. Distilling.

Geo. H. Coleman
Lieut. U.S.N.

8 P.M. to Midnight.
Clear bright moonlight - Light breeze and light airs from S.W. and West. Distilling. U.S.S. Dolphin came in, anchored and exchanged numbers.

W. F. Harlow
Lieut. U.S.N.

Examined and found to be correct.

A. K. Lincoln
Lieut., Navigator.

LOG of the UNITED STATES Steamer Lizzie , 2d Rate,

Hampton Roads, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | West. | West. | 1 | | | 30-20 | 66 | 46 | 43 | | bm. | none | 10 | |
| 2 | | | | W by S. | " | 2 | | | 30-20 | 61 | 46 | 43 | | " | " | 0 | |
| 3 | | | | " | " | 2 | | | 30-20 | 61 | 46 | 43 | | " | " | 10 | |
| 4 | | | | S.W. | W.N.W. | 3 | | | 30-20 | 60 | 46 | 43 | | bc. | cir. | 9 | |
| 5 | | | | S.W by S. | N.W. | 3 | | | 30-18 | 55 | 45 | 42 | | bcw. | " | 9 | |
| 6 | | | | N.E. by E. | " | 3 | | | 30-14 | 54 | 45 | 42 | | bc | cir. cum. | 7 | |
| 7 | | | | " | North. | 3 | | | 30-22 | 55 | 44 | 41 | | bcw. | " | 7 | |
| 8 | | | | E.N.E. | " | 3 | | | 30-29 | 73 | 43 | 40 | | " | cir cir. | 7 | |
| 9 | | | | N.E. by E. | N.E. | 2 | | | 30 31 | 72 | 43 | 40 | | " | cir cum | 9 | |
| 10 | (Ellstw) | | | N.N.E. | N.E. by E | 3 | | | 30-30 | 60 | 46 | 43 | | bc. | " | 9 | |
| 11 | | | | W.N.W. | " | 3 | | | 30-30 | 60 | 45 | 42 | | " | " | 9 | |
| Noon. | | | | W by N. | S.E. | 2 | | | 30-30 | 65 | 49 | 45 | | " | " | 9 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 369 gallons.

Water during the preceding 24 hours, 21 74 "

Water remaining on hand fit for use at Noon, 30 50 "

Coal consumed during the preceding 24 hours, 1 tons 1814 lbs.

Coal remaining on hand at Noon, 17 " 1222 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | West. | E.S.E. | 2 | 30-27 | 68 | 53 | 48 | bm | none | 10 | | |
| 2 | W.S.W. | " | 2 | 30-25 | 70 | 55 | 50 | bcw | cir. cum. | 9 | | |
| 3 | " | " | 2 | 30-22 | 69 | 53 | 48 | " | " | 8 | | |
| 4 | S.W. by W. | " | 2 | 30-21 | 69 | 52 | 48 | " | " | 7 | | |
| 5 | South. | " | 2 | 30-18 | 67 | 53 | 49 | " | " | 3 | | |
| 6 | East | S.E. | 3 | 30-17 | 66 | 48 | 45 | " | " | 4 | | |
| 7 | " | " | 3 | 30-17 | 72 | 49 | 45 | " | " | 5 | | |
| 8 | " | S.S.E. | 2 | 30-16 | 72 | 49 | 45 | " | " | 8 | | |
| 9 | E by N. | " | 3 | 30-17 | 69 | 49 | 45 | " | " | 8 | | |
| 10 | N.E. by E | " | 3 | 30-17 | 70 | 48 | 45 | " | " | 8 | | |
| 11 | N. by N. | " | 3 | 30-11 | 64 | 48 | 45 | " | " | 8 | | |
| Mid. | West. | " | 3 | 30-16 | 59 | 49 | 46 | " | " | 8 | | |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday, March 2, 18 93.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and [illegible] H.A.M.
Clear and pleasant - barometer steady - light airs and light breeze from West - Distilling.

J. T. Newton
Lieut. U.S.N.

4 o'clock to 8 AM.
Cool. Hazy - Gentle breeze from NW. to North - At 5.20 commenced to secure to flood and finished at 6. The "Dolphin" made signal nt. 4890 at 7.10. Answered - affirmative - At 7.30 the "Dolphin" got underway and stood up for the Navy Yard.
Received aboard for use of the crew - 92½ lbs. each fresh beef and vegetables and 7 lbs. lead. Distilling.

F. Gunn Williamson
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and cool - pleasant. Gentle to light breze from N.E. to S.E. Ebb tide - At 9.30 inspected at quarters and then cleared ship for action and went to general quarters - 1st division ready in 4m 10sec: 2d division in 4m 10sec: 3d Division in 2m 50sec: Navigator in 1m 10sec: Powder in 3m 45sec: Engineers in 2m 40sec: and Marine guard in 1m 00s. Secured at 10.30 then commenced painting ship outside - Stopped distilling and banked fires for heating ship - Commanding Officer accompanied by Lieut. J. Newton - U.S.N, and 1st Lieut H.C. Haines, U.S.M.C., paid an official visit upon the Commandant of Fort Monroe. By order of Cmdg Officer changed rate of T. Kijisachi from Ordinary Seaman to Seaman from this date.

F. Harris
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant - barometer falling slowly - light breeze from E.S.E. Making preparations for Inspection - painting inside and outside

J. T. Newton
Lieut. U.S.N.

4 to 8 P.M.
Cloudy first part - clear last hour - Light to gentle breeze from E.S.E. to S.S.E. Flood tide - At 5 PM mustered at quarters and turned in clear hammocks.

F. Harris
Lieut. U.S.N.

8 P.M. to Meridian.
Clear and pleasant - Bright moonlight - gentle breeze from S.S.E.

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

H. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Hampton Roads, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | West. | E.S.E. | 2 | | | 30-04 | 56 | 48 | 46 | | t.c.m. | cir. cum. | 9 | |
| 2 | | | | W.S.W. | " | 1 | | | 30-03 | 54 | 48 | 45 | | " | " | 9 | |
| 3 | | | | S.W. by W. | " | 1 | | | 29-98 | 50 | 47 | 45 | | " | " | 7 | |
| 4 | | | | " | " | 1 | | | 29-95 | 49 | 47 | 45 | | " | " | 3 | |
| 5 | | | | S.W. | South | 2 | | | 29-94 | 50 | 47 | 45 | | o.c.m. | nim | 0 | |
| 6 | | | | S.S.W. | S.W. | 3 | | | 29-94 | 56 | 47 | 45 | | " | " | 0 | |
| 7 | | | | N.E. by E. | " | 3 | | | 29-94 | 56 | 47 | 45 | | t.c.m. | cir. cum. nim. | 2 | |
| 8 | | | | " | " | 3 | | | 29-95 | 70 | 50 | 48 | | " | " | 3 | |
| 9 | | | | E by N. | " | 4 | | | 29-94 | 69 | 54 | 57 | | " | " | 2 | |
| 10 | | | | E.S.E. | " | 4 | | | 29-90 | 62 | 56 | 53 | | " | " | 2 | |
| 11 | | | | W. by S. | " | 4 | | | 29-87 | 60 | 56 | 53 | | " | " | 2 | |
| Noon. | | | | " | " | 4 | | | 29-86 | 62 | 57 | 54 | | " | " | 1 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 427 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2623 "

Coal consumed during the preceding 24 hours, tons 16 lbs.

Coal remaining on hand at Noon, 16 " 1844 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | West. | W. by S. | 3 | | | 29-84 | 64 | 55 | 53 | t.c.m | cum. nim. | 1 | |
| 2 | | W. by S. | S.W. by W. | 2 | | | 29-80 | 65 | 55 | 53 | " | " | 3 | |
| 3 | | S.W. by W. | S.W. | 3 | | | 29-78 | 70 | 58 | 55 | " | " | 3 | |
| 4 | | S.W. | S.W. by S. | 3 | | | 29-77 | 72 | 58 | 55 | " | " | 3 | |
| 5 | | " | S.S.W. | 3 | | | 29-79 | 70 | 57 | 54 | " | " | 3 | |
| 6 | | South | " | 2 | | | 29-72 | 73 | 57 | 54 | " | " | 2 | |
| 7 | | East. | " | 3 | | | 29-71 | 73 | 55 | 53 | " | " | 1 | |
| 8 | | " | S.E. | 2 | | | 29-70 | 73 | 54 | 52 | " | " | 4 | |
| 9 | | E by N. | N.E. | 2 | | | 29-68 | 73 | 56 | 54 | o.c.d | nim. | 1 | |
| 10 | | E.N.E. | E.N.E. | 2 | | | 29-63 | 69 | 54 | 52 | " | " | 0 | |
| 11 | | " | East. | 2 | | | 29-55 | 62 | 51 | 49 | " | " | 0 | |
| Mid. | | N.E. | " | 3 | | | 29-47 | 58 | 50 | 48 | o.c.f.r.l | " | 0 | |

under the command of W. W. Commander, U. S. Navy,

Friday March 3, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine, light breeze to light airs from E. S. E.

W. Bayard Hall
Ensign U.S.N.

4 to 8 A.M.

Cloudy and misty - Clearing latter part - Light to gentle breeze from South to S.W. Swing to flood tide at 6. Cleaning up ship and getting ready for inspection - Received in Pay Department - 92 lbs meat; 92 lbs vegetables; and 94 lbs bread.

F. H. Holmes
Lieut. U.S.N.

8 AM to Meridian

Cloudy and pleasant - barometer falling slowly - moderate breeze from S.W. At 9h Board of Inspection - Rear Admiral Bishop - President - came on board to inspect ship. Ship and crew were inspected. Afterwards Cleared Ship for Action and went to General Quarters. Third Company was drilled as Infantry. Third Division single sticks. Navigators pistols. Marine Guard was drilled.

N. J. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy - gentle to light breeze from W by S. to S.W. The Inspecting Board continued the inspection throughout the entire watch and had not finished at the end

W. Bayard Hall.
Ensign U.S.N.

4 To 8 P.M.

Cloudy and pleasant - barometer falling slowly - light to gentle breeze from S.S.W. Board of Inspection left the ship - having finished their inspection

N. J. Newton
Lieut. U.S.N.

8 P.M. to Midnight -

Overcast, rapidly falling barometer - Light breeze from N.E. to East.

W. Bayard Hall.
Ensign U.S.N.

Examined and found to be correct.

Lee K. Learned
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd. Rate,

Hampton Roads. Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.E. | N.E. | 5-6 | | | 29-44 | 60 | 46 | 44 | | o.c. g.l.r. | nim. | 0 | |
| 2 | | | | " | " | 5-7 | | | 29-40 | 60 | 44 | 42 | | o.c. g.r. | " | 0 | |
| 3 | | | | North | " | 5-6 | | | 29-36 | 59 | 44 | 43 | | " | " | 0 | |
| 4 | | | | N. by E. | " | 6-8 | | | 29-35 | 58 | 43 | 41 | | " | " | 0 | |
| 5 | | | | " | N.E. by N. | 5-7 | | | 29-34 | 58 | 41 | 40 | | " | " | 0 | |
| 6 | | | | " | North. | 5-7 | | | 29-36 | 58 | 41 | 41 | | o.c. g.r.l. | " | 0 | |
| 7 | | | | N.N.E. | " | 5-7 | | | 29-34 | 55 | 40 | 39 | | o.c. g.r.s. | " | 0 | |
| 8 | | | | N.E. | " | 5-7 | | | 29-34 | 70 | 40 | 39 | | o.c. g.r. | " | 0 | |
| 9 | | | | " | " | 5-7 | | | 29-35 | 70 | 39 | 38 | | o.c. m. | " | 0 | |
| 10 | | | | " | " | 5-7 | | | 29-37 | 71 | 41 | 41 | | o.c. m.s. | " | 0 | |
| 11 | | | | N.E. by N. | " | 5-7 | | | 29-44 | 75 | 41 | 40 | | " | " | 0 | |
| Noon. | | | | N.N.W. | N.N.W. | 5-7 | | | 29-46 | 74 | 39 | 38 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 347 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2276 "

Coal consumed during the preceding 24 hours, tons 1444 lbs.

Coal remaining on hand at Noon, 16 " 400 "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | N.W. | N.N.W. | 4-7 | 29-49 | 72 | 36 | 35 | o.c. g.r. | nim. 0 |
| 2 | | W.N.W. | " | 6-8 | 29-54 | 68 | 33 | 32 | " | " 0 |
| 3 | | " | " | 6-8 | 29-60 | 68 | 34 | 33 | " | " 0 |
| 4 | | W. by N. | " | 4-7 | 30-67 | 70 | 36 | 34 | " | " 0 |
| 5 | | W.N.W. | " | 4-7 | 30-72 | 71 | 37 | 35 | " | " 0 |
| 6 | | | " | 4-7 | 30-79 | 78 | 30 | 36 | o.c. | " 0 |
| 7 | | | " | 4-7 | 29-85 | 75 | 38 | 35 | o.c. | clear nim. 3 |
| 8 | | | " | 4-6 | 29-91 | 78 | 38 | 35 | " | " 6 |
| 9 | | N.W. by N. | N.W. by N. | 4-6 | 30-95 | 72 | 36 | 34 | " | " 6 |
| 10 | | N.N.W. | N.W. | 5-7 | 30-97 | 76 | 33 | 31 | " | " 6 |
| 11 | | N. by W. | " | 5-7 | 31-00 | 71 | 32 | 30 | " | " 6 |
| Mid. | | N.N.W. by N. | " | 4-6 | 30-02 | 70 | 32 | 30 | " | " 9 |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday March 4, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Lightning 1st hour. Gentle to very fresh breze in squalls from N.E. Hoisted steam launch. Veered to 75 fathoms on lower chains and stocked sheet-anchor, and got it ready for letting go. Barometer low and falling.

W. O. Walker
Ensign U.S.N.

4 to 8 A.M.
Overcast. barometer steady. fresh to very fresh breze from N.E. by N. and North. Rain and hail at intervals.

W. J. Hamlet
Lieut. U.S.N.

8 AM to Meridian
Overcast. stiff to very strong breeze from N. and N.N.W. Barometer rising.

W. Brigham Todd
Ensign U.S.N.

Meridian to 4 P.M.
Overcast. snowing. Moderate breze to moderate gale in squalls from N.N.W. Hoisted Steam Launch. Transported sheet anchor.

W. O. Walker
Ensign U.S.N.

4 to 8 P.M.
Overcast. Moderate to very strong breeze from N.N.W. Barometer rising.

W. Brigham Todd
Ensign U.S.N.

8 P.M. to Midnight
Clear. Moderate to very fresh breze from N.W. by N. to N.W.

W. O. Walker
Ensign U.S.N.

Examined and found to be correct.

A. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Hampton Roads, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.W. | N.N.W. | 5 | | | 30-06 | 60 | 32 | 30 | | b | none | 10 | |
| 2 | | | | W.N.W. | " | 5 | | | 30-07 | 55 | 32 | 30 | | " | " | 10 | |
| 3 | | | | W. by S. | " | 4 | | | 30-07 | 45 | 36 | 32 | | " | " | 10 | |
| 4 | | | | W.S.W. | " | 4 | | | 30-08 | 42 | 36 | 32 | | " | " | 10 | |
| 5 | | | | W. by S. | " | 4 | | | 30-09 | 38 | 35 | 33 | | " | " | 10 | |
| 6 | | | | West. | " | 4 | | | 30-10 | 43 | 34 | 32 | | bc. | cum. | 9 | |
| 7 | | | | W by N. | N.W. | 3 | | | 30-19 | 57 | 33 | 30 | | b.m. | cir. cum. | 8 | |
| 8 | | | | N.E. | " | 3 | | | 30-26 | 72 | 34 | 32 | | " | " | 9 | |
| 9 | | | | N.E. by E. | " | 3 | | | 30-27 | 69 | 37 | 34 | | bc. | " | 9 | |
| 10 | | | | E.N.E. | " | 3 | | | 30-27 | 70 | 39 | 36 | | " | " | 8 | |
| 11 | | | | N.E. by E. | West. | 3 | | | 30-27 | 69 | 40 | 37 | | " | " | 9 | |
| Noon. | | | | N. N.W. | W. N.W. | 3 | | | 30-27 | 69 | 41 | 38 | | " | " | 9 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 312 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1960 "

Coal consumed during the preceding 24 hours, 1 tons 617 lbs.

Coal remaining on hand at Noon, 14 " 2023 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | West. | West. | 2 | | | 30-25 | 70 | 40 | 36 | | bc. | cir. cum. | 6 | |
| 2 | | | | " | " | 4 | | | 30-23 | 74 | 41 | 36 | | " | " | 6 | |
| 3 | | | | " | W.N.W. | 4 | | | 30-21 | 74 | 41 | 36 | | " | " | 7 | |
| 4 | | | | W by S. | " | 4 | | | 30-21 | 74 | 41 | 36 | | " | " | 7 | |
| 5 | | | | S.W by W. | West. | 4 | | | 30-21 | 74 | 41 | 36 | | " | " | 7 | |
| 6 | | | | W. by S. | W by S. | 3 | | | 30-22 | 77 | 41 | 37 | | " | " | 7 | |
| 7 | | | | W.S.W. | W.S.W. | 3 | | | 30-21 | 75 | 43 | 39 | | " | " | 9 | |
| 8 | | | | S.W. | " | 3 | | | 30-21 | 74 | 44 | 41 | | b. | none | 10 | |
| 9 | | | | N.E by E | " | 4 | | | 30-21 | 71 | 44 | 40 | | bc. | cir. cum. | 9 | |
| 10 | | | | E.N.E. | N.W. | 4 | | | 30-24 | 70 | 44 | 41 | | " | " | 9 | |
| 11 | | | | " | N.N.E | 4 | | | 30-25 | 63 | 43 | 40 | | b | none | 10 | |
| Mid. | | | | " | North. | 2 | | | 30-25 | 61 | 42 | 40 | | " | | 10 | |

under the command of N. H. Read, Commander, U. S. Navy,

Sunday, March 5, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Wm until 4 A.M.
Clear and cold. Stiff to moderate breeze from N.W.

Geo. W. Holman
Lieut. U.S.N.

4 to 8 A.M.
Clear and fine, moderate breeze from N.N.W. to N.W. Hove in to 4 5 fathoms on each chain
Received in Pay Dept - 74 lbs. bread, 92½ lbs. fresh beef and 92½ lbs. vegetables

W. N. Brownell
Ensign U.S.N.

8 A.M. to Meridian
Clear and cold. Gentle breeze from NW. to the West. At 9.30 mustered at quarters, then called all hands to muster and published orders, read "Articles for Government of Navy" and mustered crew.

W. O. Hulme
Ensign U.S.N.

Meridian to 4 P.M.
Fair - Light to moderate breezes from West and W.N.W.

C. M. Stone
Ensign U.S.N.

4 to 8 P.M.
Clear. Moderate to gentle breeze from the West to W.S.W.

W. O. Hulme
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Light to moderate breezes from W.S.W. N.W. N.N.E and North.

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

Geo. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Hampton Roads, Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N. NE. | North. | 2 | | | 30-25 | 60 | 40 | 38 | | bc | Cir. Cum. | 9 | |
| 2 | | | | W.N.W. | " | 1 | | | 30-26 | 59 | 39 | 37 | | b | none | 10 | |
| 3 | | | | West. | " | 1 | | | 30-27 | 59 | 38 | 36 | | " | " | 10 | |
| 4 | | | | " | " | 1 | | | 30-26 | 55 | 39 | 37 | | bc | Cir. Cum. | 9 | |
| 5 | | | | N.S.W. | N.W. | 2 | | | 30-28 | 53 | 39 | 37 | | b | none | 10 | |
| 6 | | | | " | " | 2 | | | 30-30 | 59 | 40 | 37 | | bc | Cum. Str. | 8 | |
| 7 | | | | " | W.N.W. | 3 | | | 30-32 | 54 | 36 | 34 | | bcm | " | 8 | |
| 8 | | | | WbS. | West. | 3 | | | 30-40 | 73 | 37 | 35 | | " | " | 9 | |
| 9 | | | | SWbS | W.S.W. | 3 | | | 30-41 | 71 | 37 | 39 | | bm | none | 10 | |
| 10 | | | | E.N.E. | SW. | 2 | | | 30-41 | 73 | 43 | 40 | | " | " | 10 | |
| 11 | | | | E by N. | " | 3 | | | 30-41 | 71 | 47 | 42 | | " | " | 10 | |
| Noon. | | | | E.NE. | West. | 2 | | | 30-41 | 72 | 49 | 45 | | " | " | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 367 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1593 "

Coal consumed during the preceding 24 hours, tons 1100 lbs.

Coal remaining on hand at Noon, 14 " 923 "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | W.N.W. | S.S.W. | 2 | 30-39 | 72 | 44 | 42 | bm | none | 10 |
| 2 | West | SW. | 2 | 30-38 | 70 | 42 | 46 | " | " | 10 |
| 3 | " | " | 1 | 30-37 | 71 | 55 | 49 | " | " | 10 |
| 4 | W.SW. | " | 1 | 30-35 | 68 | 56 | 51 | " | " | 10 |
| 5 | SW. by W. | SE. | 1 | 30-33 | 66 | 55 | 50 | bc | Cir. Cum. | 7 |
| 6 | SW. | SW. | 2 | 30-33 | 72 | 49 | 43 | " | " | 6 |
| 7 | W.SW. | " | 2 | 30-32 | 74 | 48 | 44 | " | " | 7 |
| 8 | SW by W. | " | 1 | 30-34 | 75 | 49 | 45 | " | " | 8 |
| 9 | SE. | " | 2 | 30-34 | 74 | 49 | 45 | bm. | none | 10 |
| 10 | E by N. | South. | 3 | 30-34 | 69 | 48 | 45 | " | " | 10 |
| 11 | East | S.S.W. | 4 | 30-33 | 64 | 47 | 43 | " | " | 10 |
| Mid. | SE. by E | " | 5 | 30-31 | 62 | 46 | 43 | " | " | 10 |

under the command of N. H. Read, Commander, U. S. Navy,
Monday, March 6, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cold. Light airs and breezes from North
Swung to ebb at 1.30, finishing at 2

Fwp. F.W. Holman
Lieut. U.S.N.

4 to 8 A.M.
Clear and cold. Light to gentle breeze from N.W.
to the West. Loosed sail. Received in Pay Department
92½ lbs each fresh Beef and Vegetables and 94 lbs. Bread.

W.O. Hudnut
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant. Light and gentle breezes from S.W.
to West. At 9.30 mustered divisions at quarters.
G.A. Messing (Sea Apprentice 1st Class) reported the expiration
of his enlistment

D.M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Light haze. Pleasant. Light airs and breezes from S.S.W.
to S.W. At 1 shortened sail. At 3.30 furled sail.
By order of the Commanding Officer, the following men were
discharged from this ship and the U.S. Naval Service, their
terms of enlistment having expired:- M Balzer, (Sea Appr. 1st class);
F.P. Haley (Sea. Appr. 1st class); and G.A. Messing (Sea. Appr. 1st class).
Swung to ebb at 12.30

Fwp. F.W. Holman
Lieut U.S.N.

4 to 8 P.M.
Fair. Light airs and breezes from S.E., shifting to S.W.
At 5.45 mustered divisions at quarters.

D.M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Light haze. Cool. Light to gentle breeze from S.W. to South,
first part; moderate to stiff breeze from S.S.W. latter part.
Swung to flood at 8.15

H Fwp. F.W. Holman
Lieut. U.S.N.

Examined and found to be correct.

H.K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Hampton Roads. Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | S.W. by W. | S.W. by S. | 4 | | | 30-31 | 54 | 44 | 40 | | b.m. | none | 10 | |
| 2 | | | | W. by S. | " | 4 | | | 30-27 | 48 | 46 | 43 | | " | " | 10 | |
| 3 | | | | " | " | 4 | | | 30-25 | 50 | 45 | 42 | | b.m. | Cir. Cum. St. | 6 | |
| 4 | | | | " | " | 4 | | | 30-23 | 47 | 45 | 42 | | " | " | 6 | |
| 5 | | | | S.W. by W. | " | 4 | | | 30-20 | 47 | 43 | 41 | | o. c. | " | 0 | |
| 6 | | | | " | S.S.W. | 4 | | | 30-20 | 48 | 39 | 38 | | " | " | 0 | |
| 7 | | | | S.W. | " | 3 | | | 30-21 | 66 | 39 | 37 | | " | " | 0 | |
| 8 | | | | S.W. by W. | " | 3 | | | 30-21 | 70 | 40 | 38 | | o.c.m. | " | 0 | |
| 9 | | | | S.W. | " | 3 | | | 30-22 | 70 | 42 | 40 | | " | " | 0 | |
| 10 | | | | South | S.W. | 4 | | | 30-14 | 72 | 44 | 41 | | " | " | 0 | |
| 11 | | | | East | " | 3 | | | 30-14 | 69 | 46 | 44 | | " | " | 0 | |
| Noon. | | | | " | " | 3 | | | 30-12 | 68 | 49 | 46 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3 42 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 12 51 "

Coal consumed during the preceding 24 hours, tons 900 lbs.

Coal remaining on hand at Noon, 14 " 23 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | W.N.W. | W.S.W. | 3 | 30-12 | 71 | 48 | 45 | o.cm. | Cum. Nim. | 0 | | |
| 2 | | | W. by N. | " | 3 | 30-10 | 71 | 49 | 47 | " | " | 0 | | |
| 3 | | | West | W. by S. | 3 | 30-10 | 72 | 49 | 47 | " | " | 0 | | |
| 4 | | | " | W. by N. | 3 | 30-10 | 70 | 51 | 47 | l.cm. | " | 1 | | |
| 5 | | | " | " | 3 | 30-10 | 67 | 51 | 48 | " | " | 3 | | |
| 6 | | | W.S.W. | " | 2 | 30-11 | 73 | 51 | 48 | " | " | 3 | | |
| 7 | | | " | " | 1 | 30-12 | 72 | 52 | 44 | " | " | 6 | | |
| 8 | | | " | " | 1 | 30-14 | 74 | 52 | 49 | " | " | 6 | | |
| 9 | | | E.S.E | S.W. | 1 | 30-15 | 74 | 51 | 48 | " | " | 8 | | |
| 10 | | | E by N. | Calm | 0 | 30-17 | 70 | 51 | 48 | b.m. | none | 10 | | |
| 11 | | | " | " | 0 | 30-17 | 65 | 50 | 47 | " | " | 10 | | |
| Mid. | | | " | E.N.E. | 1 | 30-16 | 63 | 48 | 46 | l.cm. | cir. Cum. | 8 | | |

under the command of W. H. Stead, Commander, U. S. Navy,

Tuesday March 7, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences P.M. until 4 A.M.
Dim moon and Starlight Circle round the moon. Hazy. Moderate breeze from S.W. by S. Ebb tide. Fires banked in one boiler for heating ship.

W. F. Harrison
Lieut. U.S.N.

4 to 8 A.M.
Overcast and cloudy. Gentle and moderate breeze from S.W. by S. and S.S.W. Executed morning orders.

P. McGee
Ensign U.S.N.

8 A.M. to Meridian.
Overcast: hazy. Gentle and moderate breeze from S.S.W. to S.W. Commenced to swing to flood at 9.00 and finished at 9.30. At 9.30 mustered at quarters.

H. Leigh Fullerton
Lieut. U.S.N.

Meridian to 4 P.M.
Overcast and misty. Gentle breeze from W.S.W. to W. by S. Commenced swinging to ebb tide at 12 and finished at 1.00.

W. F. Harrison
Lieut. U.S.N.

4 o'clock to 8 P.M.
Cloudy to fair. Gentle breeze to light airs from W. by N. Ebb. At 5.45 mustered at quarters.

H. Leigh Fullerton
Lieut. U.S.N.

8 P.M. to Midnight
Clear overhead, hazy along horizon. Moon rose at 11.20 Calm and very light airs from S.W. and E.N.E. Benj. Bailey (O.R. Steward) returned on board under the influence of liquor and was placed in double irons by order of Commanding Officer.

W. F. Harrison
Lieut. U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steam Vessel, 3rd Rate,

Hampton Roads Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | E.c N.E. | S. E. | 1 | | | 30-16 | 55 | 48 | 46 | | b.m.w. | none | 10 | |
| 2 | | | | N.E. | East. | 1 | | | 30-16 | 57 | 47 | 45 | | " | " | 10 | |
| 3 | | | | N.W. by N. | " | 1 | | | 30-16 | 54 | 46 | 44 | | b.m.w. | Cir. Cum. | 8 | |
| 4 | | | | W. by N. | " | 1 | | | 30-16 | 55 | 46 | 44 | | " | " | 8 | |
| 5 | | | | W. by S. | " | 1 | | | 30-18 | 54 | 46 | 44 | | " | " | 8 | |
| 6 | | | | W.S.W. | " | 1 | | | 30-18 | 50 | 46 | 44 | | " | " | 8 | |
| 7 | | | | " | E by S | 1 | | | 31-19 | 53 | 46 | 44 | | b.m. | " | 7 | |
| 8 | | | | S.W. by W. | " | 1 | | | 30-26 | 72 | 48 | 45 | | " | " | 7 | |
| 9 | | | | S.S.W. 1/4 W. | E.S.E. | 2 | | | 30-25 | 72 | 49 | 46 | | " | " | 8 | |
| 10 | | | | S.E. 1/4 S. | S.S.E. | 2 | | | 30-24 | 68 | 51 | 48 | | " | " | 6 | |
| 11 | | | | N.W. | S.E. | 2 | | | 30-23 | 66 | 55 | 49 | | " | " | 7 | |
| Noon. | | | | " | " | 2 | | | 30-23 | 68 | 58 | 53 | | " | " | 7 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 371 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 880 "

Coal consumed during the preceding 24 hours, 1 tons 15 10 lbs.

Coal remaining on hand at Noon, 12 " 753 "

| P. M. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | S.S.E | South | 2 | 30-20 | 67 | 60 | 55 | b.m | Cir. Cum. | 3 | | | |
| 2 | S.E. by S. | " | 1 | 30-18 | 66 | 60 | 54 | " | " | 1 | | | |
| 3 | S.E. | E.S.E. | 2 | 30-15 | 69 | 59 | 53 | " | " | 1 | | | |
| 4 | Underway | East. | 2 | 30-12 | 68 | 58 | 53 | " | " | 1 | | | |
| 5 | South. | E.S.E. | 2 | 30-11 | 69 | 59 | 55 | " | " | 4 | | | |
| 6 | " | S.E. | 1 | 30-09 | 68 | 58 | 54 | " | " | 5 | | | |
| 7 | " | " | 1 | 30-07 | 72 | 56 | 53 | " | " | 5 | | | |
| 8 | " | " | 1 | 30-05 | 72 | 57 | 54 | " | " | 6 | | | |
| 9 | " | " | 1 | 30-04 | 72 | 58 | 55 | " | " | 6 | | | |
| 10 | " | S.S.E | 2 | 30-04 | 70 | 57 | 54 | " | " | 4 | | | |
| 11 | " | South | 2 | 29-93 | 66 | 58 | 57 | o.c.m | " | 0 | | | |
| Mid. | " | " | 2 | 29-90 | 64 | 59 | 56 | " | " | 0 | | | |

under the command of N. M. Read, Commander, U. S. Navy,

Wednesday, March 8, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.

Clear and pleasant barometer steady Light airs from S.E. and E.

N. T. Newton
Lieut. U.S.N.

4 o'clock to 8 A.M.

Light fog. Clear overhead. Light airs from East to E by S. Heavy dew first part. Ebb tide taking a quarter turn after 7. Transported sheet anchor to its own hill board. Unmoored ship and hove in to 45 fathoms on starboard chain. At 7. started fires in C boiler and built up fires in A boiler. B. Bailey, W. R. Steward), being sober was released from confinement by order of the Commanding Officer. Received on board for use of crew 88 3/4 lbs. fresh beef and vegetables and 71 lbs. bread.

Geo. L. Dillman
Lieut. U.S.N.

8 A.M. to Meridian.

Clear overhead. Very hazy along horizon. Light breeze from E.S.E. and S.S.E. At 9.30 mustered at quarters. Jos Brown (Cabin Steward) absent without leave. At 9.10 engines reported ready. 9.40 got underway and stood up for Norfolk in charge of Commanding Officer and Navigator. At 11.10 anchored off Fort Norfolk, with starboard anchor. Banked fires. Bearings from anchorage - North tangent Fort Norfolk E 7/8 N (p.c.) Navy Hospital Light House SE 1/8 S (p.c.) S.E. corner Norfolk and Carolina R.R. wharf SW by W 1/2 W (p.c.) Made preparations for taking out powder. Draft of ship before getting underway, forward 13' 10", amidships 13' 10" and aft 15' 8". Ensign W. W. Hulme U.S.N. was detached and ordered to duty at New York, Navy Yard.

F. H. Brumby
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Barometer falling slowly. light breze and light airs from S. ESE and East. Discharged at Fort Norfolk and Craney Is. all ammunition + explosives. At 3.20 got underway and stood up the river to the Navy Yard.

N. T. Newton
Lieut. U.S.N.

4 to 8 P.M.

Cloudy and hazy. Light breze At 4.05 hauled alongside the dock Hauled fires from one boiler and banked fires under the other for distilling and heating ship. At sunset sent down topgallant yards and unbent the light sails. Distilling.

F. H. Brumby
Lieut. U.S.N.

8 P.M. to Midnight.

Cloudy & overcast. barometer falling. light airs and light breze from S.E. S.S.E. & S. Distilling

N. T. Newton
Lieut. U.S.N.

W. K. Leverett
Lieut. Navigator.

Examined and found to be correct.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | South | 1 | | | 29-88 | 64 | 59 | 57 | | o o m | Cum Nim | 0 | |
| 2 | | | | " | " | 3 | | | 29-84 | 63 | 59 | 57 | | o,c | " | 0 | |
| 3 | | | | " | " | 4 | | | 29-74 | 64 | 61 | 59 | | o c d r | " | 0 | |
| 4 | | | | " | " | 4 | | | 29-74 | 63 | 62 | 60 | | " | " | 0 | |
| 5 | | | | " | " | 4 | | | 29-70 | 62 | 61 | 59 | | o c g n. | " | 0 | |
| 6 | | | | " | " | 3 | | | 29-68 | 62 | 61 | 60 | | " | " | 0 | |
| 7 | | | | " | SW. | 4 | | | 29-65 | 62 | 63 | 61 | | " | " | 0 | |
| 8 | | | | " | " | 3 | | | 29-68. | 74 | 62 | 60 | | b c r. | Cum Nim St. | 1 | |
| 9 | | | | " | W.S.W. | 3 | | | 29-68 | 43 | 63 | 60 | | b c | Ci Cum | 5 | |
| 10 | | | | " | " | 5 | | | 29-68 | 73 | 65 | 60 | | " | " | 8 | |
| 11 | | | | " | " | 5 | | | 29-68 | 71 | 67 | 61 | | " | " | 8 | |
| Noon. | | | | " | West | 4-6 | | | 29-67 | 71 | 68 | 62 | | b c y. | " | 8 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water distilled during the preceding 24 hours, 1929 "

Water remaining on hand fit for use at Noon, 24 64 "

Coal consumed during the preceding 24 hours, tons 1700 lbs.

Coal remaining on hand at Noon, 11 " 1293 "

| P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South | West | 3-4 | 29-64 | 71 | 68 | 62 | b c y. | Ci Cum. | 7 | |
| 2 | " | " | 3-4 | 29-64 | 71 | 70 | 62 | " | " | 6 | |
| 3 | " | " | 3-4 | 29-64 | 69 | 70 | 62 | " | " | 5 | |
| 4 | " | " | 3-4 | 29-64 | 70 | 69 | 61 | " | " | 4 | |
| 5 | " | " | 2 | 29-64 | 70 | 69 | 61 | " | " | 4 | |
| 6 | " | " | 2 | 29-69 | 69 | 68 | 61 | " | " | 4 | |
| 7 | " | " | 1 | 29-70 | 73 | 66 | 60 | " | " | 4 | |
| 8 | " | " | 1 | 29-73 | 77 | 66 | 60 | " | " | 4 | |
| 9 | " | Calm | 0 | 29-74 | 76 | 65 | 60 | o c u | Ci Str. | 0 | |
| 10 | " | | 0 | 29-74 | 70 | 63 | 58 | b o u | " | 5 | |
| 11 | " | | 0 | 29-75 | 67 | 62 | 58 | " | " | 7 | |
| Mid. | " | | 0 | 29-75 | 66 | 62 | 57 | " | " | 7 | |

under the command of W. W. Mead Commander, U. S. Navy,
Thursday, March 9, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Overcast, light airs to moderate breeze from South.
Distilling
W. Bg Mason Mid.
Ensign U.S.N.
4 to 8 A.M.
Cloudy and raining, clearing last half hour. ~~
Gentle ~~to~~ moderate breeze from South to S.W. Distilling.
~~W. Bg Mason~~
Lieut U.S.N.
8 A.M. to Meridian.
Bright and pleasant - barometer steady - gentle to fresh breeze from W.S.W. and W. At 9.30 quarters - no absentees - Confined Brown, J. S. (Cabin Steward) for 3 days. bread and water absent from ship without leave - The following men reported expiration of terms of enlistment ~~~~ Cunningham, J.M. (Lt Mar) and Lake, C.E. (Lt Mar) - The Commanding Officer adjudged the following punishments, viz:- Rodrigues, M. (Lds) Not obeying orders of Corporal of the Guard - 2 extra midwatches; Tehon, C.J. (Seaman Apprentice 1st Class) and McNierney, Ed (Lds) slow in turning out and getting hammock on deck each - one extra midwatch: Dwyer, James (Lds) Going over the side out of uniform - Questioning orders of Orderly Sergeant, two midwatches extra duty. Copy of charges and specifications were delivered to Private J. F. Quigley USMC - Loosed sail to dry. Distilling
J.N. Newton
Lieut U.S.N.
Meridian to 4 P.M.
Fair and pleasant - gentle to moderate breeze from West - Made gen signal Int 6107, Ans 904, and unbent sail, except jib and spanker. Paymaster W. W. Barry left the ship on 48 hours leave. Distilling.
W. Bg Mason Mid.
Ensign U.S.N.
4 to 8 P.M.
Cloudy and pleasant - barometer rising - light breeze and light airs from W. Mustered at quarters
J.N. Newton
Lieut U.S.N.
8 P.M. to Midnight.
Fair and pleasant Calm Stopped distilling
W. Bg Mason Mid.
Ensign U.S.N.
Placed Private J. F. Quigley USMC in double irons instead of single

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | N.N.W. | 2 | | | 29-74 | 66 | 61 | 58 | | lc. | cir cum | 9 | |
| 2 | | | | " | | 2 | | | 29-75 | 64 | 60 | 55 | | " | " | | |
| 3 | | | | " | N.W. | 3 | | | 29-76 | 62 | 58 | 54 | | " | " | | |
| 4 | | | | " | " | 3 | | | 29-78 | 61 | 57 | 54 | | " | " | | |
| 5 | | | | " | N.N.W. | 3 | | | 29-84 | 59 | 56 | 53 | | " | " | 9 | |
| 6 | | | | " | " | 3 | | | 29-87 | 58 | 55 | 53 | | o.c. | cum nim. | 0 | |
| 7 | | | | " | North | 4 | | | 29-91 | 56 | 54 | 51 | | " | " | 0 | |
| 8 | | | | " | " | 3-5 | | | 29-9 | 64 | 53 | 50 | | o.c.g. | " | 0 | |
| 9 | | | | " | " | 3-5 | | | 29-99 | 67 | 52 | 49 | | " | " | 0 | |
| 10 | | | | " | " | 3-5 | | | 30-04 | 69 | 52 | 49 | | " | " | 0 | |
| 11 | | | | " | " | 3-5 | | | 30-06 | 69 | 52 | 49 | | " | " | 0 | |
| Noon. | | | | " | | 3-5 | | | 30-14 | 69 | 51 | 48 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 352 gallons.

Water distilled during the preceding 24 hours, 848 "

Water remaining on hand fit for use at Noon, 2960 "

Coal consumed during the preceding 24 hours, tons 1900 lbs.

Coal remaining on hand at Noon, 16 " 1633 "

| P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South | North. | 4-6 | 30-15 | 65 | 51 | 48 | o.c.g. | cum nim | 0 | |
| 2 | " | " | 4-6 | 30-15 | 66 | 51 | 48 | o.c.m.g. | " | 0 | |
| 3 | " | " | 4-6 | 30-19 | 69 | 50 | 47 | " | " | 0 | |
| 4 | " | " | 4-6 | 30-19 | 67 | 49 | 47 | " | " | 0 | |
| 5 | " | " | 4 | 30-21 | 68 | 49 | 47 | o.c.m. | " | 0 | |
| 6 | " | " | 4 | 30-24 | 69 | 49 | 46 | " | " | 0 | |
| 7 | " | " | 3 | 30-25 | 72 | 49 | 46 | " | " | 0 | |
| 8 | " | " | 3 | 30-32 | 70 | 49 | 46 | " | " | 0 | |
| 9 | " | N.E. | 4 | 30-32 | 72 | 49 | 46 | o.c. | " | 0 | |
| 10 | " | " | 4 | 30-32 | 70 | 49 | 46 | " | " | 0 | |
| 11 | " | " | 4 | 30-32 | 65 | 48 | 46 | " | " | 0 | |
| Mid. | " | " | 5 | 30-32 | 62 | 47 | 45 | " | " | 0 | |

under the command of W. N. Mead Commander, U. S. Navy,

Friday, March 10, 1871.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Muntil 4 P.M.
Clear and pleasant. Light and gentle breezes from N.N.W and N.W.

C. M. Wilcox
Ensign U.S.N.

4 to 8 P.M.
Overcast - raw and unpleasant - barometer rising - gentle to fresh breeze from N.N.W. and North - Received in Pay Department - 71 lbs. soft bread 88 3/4 lbs. fresh beef - 88 3/4 lbs. vegetables.

N. J. Manter
Lieut. U.S.N.

8 AM. to Meridian.
Overcast and squally, gentle to stiff breeze from North. Mustered at quarters.

W. Dz Kaem Hall.
Ensign U.S.N.

Meridian to 4 P.M.
Overcast, cloudy and misty. Moderate to fresh breezes from North. Sent liberty party on shore.

C. M. Wilcox
Ensign U.S.N.

4 to 8 P.M.
Cloudy and misty - raw and cold. Moderate to gentle breeze from North. At 5.45 mustered at quarters. Ensign W. Mason Field U.S.N. left the ship on three days leave

W. Wilcox
Lieut. U.S.N.
N.C.

8 P.M. to Midnight.
Cloudy. Moderate and stiff breezes from

Edwd. Wilcox
Ensign U.S.N.

Examined and found to be correct.

L. K. Lemmon
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate,
Navy Yard, Norfolk. Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South. | North | 3 | | | 30.33 | 62 | 47 | 45 | | o.c.m.d. | Cu. Nim. | 0 | |
| 2 | | | | " | " | 3 | | | 30.33 | 60 | 47 | 45 | | " | " | 0 | |
| 3 | | | | " | " | 3-5 | | | 30.31 | 59 | 47 | 44 | | " | " | 0 | |
| 4 | | | | " | " | 3 | | | 30.32 | 58 | 46 | 44 | | o.c.m.d. | " | 0 | |
| 5 | | | | " | " | 3 | | | 30.32 | 58 | 46 | 44 | | " | " | 0 | |
| 6 | | | | " | " | 3 | | | 30.32 | 58 | 46 | 44 | | " | " | 0 | |
| 7 | | | | " | " | 3 | | | 30.30 | 58 | 46 | 44 | | " | " | 0 | |
| 8 | | | | " | " | 2 | | | 30.28 | 60 | 46 | 44 | | " | " | 0 | |
| 9 | | | | " | " | 2 | | | 30.28 | 70 | 48 | 46 | | " | " | 0 | |
| 10 | | | | " | " | 2 | | | 30.27 | 69 | 48 | 47 | | " | " | 0 | |
| 11 | | | | " | " | 1 | | | 30.25 | 69 | 48 | 46 | | " | " | 0 | |
| Noon. | | | | " | " | 1 | | | 30.24 | 71 | 48 | 47 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 342 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2618 "

Coal consumed during the preceding 24 hours, tons 900 lbs.

Coal remaining on hand at Noon, 10 " 733 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South | North | 1 | 30.20 | 72 | 49 | 48 | o.c.m.d. | Cu. Nim. | 0 | |
| 2 | " | " | 1 | 30.16 | 72 | 49 | 48 | o.c.m. | " | 0 | |
| 3 | " | " | 1 | 30.15 | 71 | 51 | 49 | " | " | 0 | |
| 4 | " | " | 1 | 30.14 | 72 | 51 | 50 | " | " | 0 | |
| 5 | " | E.S.E. | 2 | 30.11 | 71 | 51 | 50 | " | " | 0 | |
| 6 | " | East. | 2 | 30.02 | 69 | 53 | 51 | " | " | 0 | |
| 7 | " | West. | 1 | 30.06 | 74 | 52 | 50 | " | " | 0 | |
| 8 | " | Calm | 0 | 30.05 | 76 | 52 | 51 | " | " | 0 | |
| 9 | " | S.W. | 1 | 30.06 | 76 | 52 | 50 | " | " | 0 | |
| 10 | " | West. | 1 | 30.04 | 72 | 52 | 51 | o.c.r. | " | 0 | |
| 11 | " | " | 1 | 30.03 | 69 | 52 | 50 | " | " | 0 | |
| Mid. | " | " | 2 | 30.03 | 67 | 52 | 50 | " | " | 0 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Saturday, March 11, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast. Hazy. Heavy dew. Dist hail. Light showers last hour. Gentle breeze from North with stiff squalls third hours

Jno Fred Holeman
Lieut H.S.N.

4 to 8 A.M.

Cloudy and misty; with very light drizzle. Gentle to light breeze from North.

W. F. Arrowe
Lieut. H.S.N.

8 A.M. to Meridian.

Cloudy and misty. Light drizzling rain at intervals. Light airs and breezes from North. Sent - Jno Quigley (P.M.) Court-martial-prisoner before General Court Martial convened on yard. Also sent witnesses for prosecution and defense. - Jno Cunningham & Jno Quigley brought on board 4 hours overtime - having returned and been confined at gate for being intoxicated.

C. W. Stone
Ensign U.S.N.

Meridian to 4 P.M.

Overcast - Misty - Light airs from North - Issued clothing and small stores - Issued monthly money - Sent Jas. T. Quigley, P.M. up to the Yard for trial by Court Martial - and on his return reconfined him in double irons to await continuation of trial at 10 A.M. Monday.

Jno F. Holeman
Lieut H.S.N.

4 to 8 P.M.

Cloudy and misty - Light airs and breezes from E.S.E. East West. Jno Quigley returned on board - & reconfined. Sent visiting party to San Francisco. Received on board 88 3/4 lbs. fresh beef and vegetables from the Mare Island.

C. W. Stone
Ensign U.S.N.

8 P.M. to Midnight.

Overcast. Raining. Light airs and breezes from E.S.E. to West

Jno F. Holeman
Lieut H.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

Navy Yard, Norfolk. Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | West. | 1 | | | 29-97 | 65 | 51 | 49 | | o. c. r. | nim | 0 | |
| 2 | | | | " | | 2 | | | 29-95 | 64 | 51 | 49 | | o. c. d. | | 0 | |
| 3 | | | | " | | 1 | | | 29-94 | 64 | 51 | 49 | | b. c. | Cir. Cum. Nim. | 4 | |
| 4 | | | | " | S.W. | 2 | | | 29-94 | 64 | 50 | 48 | | " | " | 4 | |
| 5 | | | | " | " | 2 | | | 29-93 | 61 | 48 | 47 | | " | " | 6 | |
| 6 | | | | " | W.S.W. | 2 | | | 29-93 | 56 | 48 | 47 | | " | " | 4 | |
| 7 | | | | " | West. | 3 | | | 29-94 | 59 | 46 | 44 | | b. c. m. | " | 1 | |
| 8 | | | | " | " | 3 | | | 29-98 | 70 | 47 | 46 | | " | " | 0 | |
| 9 | | | | " | W.S.W. | 3 | | | 29-99 | 70 | 50 | 48 | | b. m. | none | 10 | |
| 10 | | | | " | W by N. | 3 | | | 29-99 | 69 | 53 | 50 | | " | " | 10 | |
| 11 | | | | " | N.W. | 3 | | | 29-99 | 71 | 56 | 52 | | b. c. m. | cir. cum | 7 | |
| Noon. | | | | " | " | 2 | | | 29-99 | 70 | 59 | 53 | | " | " | 2 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2268 "

Coal consumed during the preceding 24 hours, tons 900 lbs.

Coal remaining on hand at Noon, 9 " 2073 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | South | N.N.W. | 2 | | | 29-99 | 71 | 60 | 55 | | b. c. | Cum. nim. | 2 | |
| 2 | | | | " | " | 2 | | | 29-99 | 70 | 60 | 55 | | " | " | 2 | |
| 3 | | | | " | " | 2 | | | 29-99 | 72 | 60 | 55 | | " | " | 1 | |
| 4 | | | | " | " | 2 | | | 29-99 | 69 | 60 | 59 | | " | " | 1 | |
| 5 | | | | " | North. | 2 | | | 30-01 | 69 | 58 | 54 | | " | " | 4 | |
| 6 | | | | " | N.N.E. | 2 | | | 30-04 | 70 | 57 | 53 | | " | cir. cum | 4 | |
| 7 | | | | " | N. by E. | 2 | | | 30-06 | 74 | 56 | 52 | | " | " | 5 | |
| 8 | | | | " | " | 2 | | | 30-09 | 74 | 55 | 52 | | " | " | 5 | |
| 9 | | | | " | " | 2 | | | 30-10 | 74 | 53 | 50 | | b. | none | 10 | |
| 10 | | | | " | " | 1 | | | 30-12 | 74 | 52 | 49 | | " | " | 10 | |
| 11 | | | | " | " | 1 | | | 30-12 | 67 | 54 | 51 | | " | " | 10 | |
| Mid. | | | | " | " | 1 | | | 30-12 | 62 | 54 | 50 | | b. c. | " | 10 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday, March 12, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences am until 4 A.M.

Cloudy and raining first part. Clearing a little latter part. Light airs to light breze from West shifting to S.W. last hour.

W. F. Arthur
Lieut. U.S.N.

4 to 8 A.M.

Cloudy first two hours. Clear and pleasant last two. Light and gentle breezes from West to S.W.

C. Cusick
Ensign U.S.N.

8 A.M. to Meridian.

Clouding over Misty. Gentle to light breze from W.S.W. to N.W. At 9.30 the Commanding Officer inspected the ship and crew at quarters. Absentees:- Thos Shields (Private) and John McCombe (Pvt). Jos S Brown (Cabin Std) was released from confinement by order of the Commanding Officer. John Connelly (Sea) being drunk was put under sentry's charge until sober.

H George F. W. Holman
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy Light breeze from N.N.W. John Connelly (Sea) being sober, was released from sentry's charge by order of Commanding Officer.

W. F. Arthur
Lieut. U.S.N.

4 o'clock to 8 P.M.

Clearing. Light breze from North to N.E. The Constellation came up the river at 6.30 and at 6.45 moored alongside the wharf ahead of the Concord.

H George F. W. Holman
Lieut. U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light breze to light airs from N by E.

W. F. Arthur
Lieut U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut; Navigator.

LOG of the UNITED STATES Steamer Osceola, 3rd Rate,
Navy Yard, Norfolk Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | N.N.W. | 1 | | | 30-13 | 58 | 52 | 49 | | bs | nmc | 10 | |
| 2 | | | | " | " | 1 | | | 30-13 | 55 | 52 | 48 | | " | " | 10 | |
| 3 | | | | " | N.W. | 1 | | | 30-12 | 53 | 50 | 47 | | " | " | 10 | |
| 4 | | | | " | " | 1 | | | 30-12 | 51 | 49 | 46 | | " | " | 10 | |
| 5 | | | | " | North. | 2 | | | 30-13 | 54 | 48 | 45 | | bsm | " | 10 | |
| 6 | | | | " | " | 2 | | | 30-13 | 54 | 48 | 45 | | bsm | cum | 9 | |
| 7 | | | | " | " | 2 | | | 30-15 | 58 | 48 | 46 | | " | " | 9 | |
| 8 | | | | " | " | 2 | | | 30-21 | 69 | 49 | 46 | | bsm | nmc | 10 | |
| 9 | | | | " | ENE | 2 | | | 30-21 | 69 | 53 | 50 | | " | " | 10 | |
| 10 | | | | " | " | 2 | | | 30-21 | 66 | 56 | 52 | | " | " | 10 | |
| 11 | | | | " | " | 2 | | | 30-22 | 69 | 59 | 54 | | " | " | 10 | |
| Noon. | | | | " | " | 2 | | | 30-21 | 66 | 60 | 54 | | " | " | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 330 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1938 "

Coal consumed during the preceding 24 hours, tons 16 22 lbs.

Coal remaining on hand at Noon, 9 " 451 "

| P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South. | N.NW. | 1 | 30-21 | 69 | 61 | 55 | bs | none | 10 | |
| 2 | " | " | 1 | 30-19 | 69 | 64 | 57 | " | " | 10 | |
| 3 | " | North. | 1 | 30-16 | 69 | 65 | 58 | " | " | 10 | |
| 4 | " | NE. | 2 | 30-16 | 69 | 63 | 55 | " | " | 10 | |
| 5 | " | ENE. | 2 | 30-15 | 70 | 59 | 54 | bc | circum | 9 | |
| 6 | " | E.S.E | 2 | 30-15 | 71 | 58 | 53 | | circum str. | 6 | |
| 7 | " | SE. | 2 | 30-15 | 73 | 55 | 51 | | " | 6 | |
| 8 | " | " | 2 | 30-15 | 74 | 55 | 51 | bs | none | 10 | |
| 9 | " | " | 2 | 30-15 | 72 | 53 | 49 | " | " | 10 | |
| 10 | " | South | 2 | 30-16 | 72 | 50 | 47 | " | " | 10 | |
| 11 | " | " | 2 | 30-15 | 66 | 50 | 47 | " | " | 10 | |
| Mid. | " | " | 3 | 30-14 | 62 | 49 | 46 | " | " | 10 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Monday March 13, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.

Clear and pleasant barometer falling slowly - Light airs from Ad and Wd.

J. T. Hunter
Lieut. U.S.N.

4 o'clock to 8 A.M.

Hazy. First before sunrise. Light breeze from North. Received aboard for use of crew 90 lbs. each fresh beef and vegetables and 72 lbs. bread.

Jno. T. Hunter
Lieut. U.S.N.

8 A.M. to Meridian

Clear overhead. Misty. Light breeze from E.N.E. At 9.30 mustered at quarters Thos Shields (Pvt) and John McCombe (Pvt) absent without leave. At 9.45 sent private Quigley before the General Court-Martial. He returned at 12 and by order of Commanding Officer, was confined in double irons to await action of the Court.

Boards composed of Capt B. J. Cromwell U.S.N. and Naval Constructor Bolles; Capt B. Cromwell & Quartermen W. Ryan and Thos Miller; Chief Engr. Philip Doyle, R. W. Galt and W. S. Smith, came on board to survey all articles under the cognizance of Bureau of Construction and Repair; Equipment; and Steam Engineering respectively

W. T. Harrison
Lieut. U.S.N.

Meridian to 4 P.M.

Bright and pleasant - barometer falling - Light airs from Nd. Unrove most of the running gear - Gangs of men from Ship-building - Plumbing - Boat-building - Caulking departments making an examination of the ship - Received in Equipment Dept - 8 1/2 lbs 15 thread Manilla Rope - 10 lbs. cod line - 6 lantern globes 24 Official envelopes. Pharst. Surg. Riehl left the ship on a weeks leave of absence from the 14th. Lt St C. Haines U.S.M.C. left the ship on 3 days leave of absence.

J. T. Hunter
Lieut. U.S.N.

4 to 8 P.M.

Clear and pleasant - Light breze from E.N.E. to S.E. At 5.30 made signal Int. 6140 Sent down topgallant masts.

W. T. Harrison
Lieut. U.S.N.

8 P.M. to Midnight.

Clear and pleasant - barometer steady - light to gentle breze from South.

J. T. Hunter
Lieut. U.S.N.

Examined and found to be correct.

L. K. Lemmon
Lieut., Navigator.

LOG of the UNITED STATES "Steamer Essex", 3rd Rate,

Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | S.S.E. | 2 | | | 30-11 | 60 | 47 | 44 | | hzn. | Cir Str | 6 | |
| 2 | | | | " | " | 2 | | | 30-09 | 58 | 48 | 45 | | " | " | 8 | |
| 3 | | | | " | " | 3 | | | 30-07 | 58 | 48 | 45 | | " | " | 8 | |
| 4 | | | | " | " | 3 | | | 30-06 | 57 | 48 | 45 | | " | " | 8 | |
| 5 | | | | " | " | 3 | | | 30-05 | 56 | 47 | 45 | | " | " | 5 | |
| 6 | | | | " | " | 2 | | | 30-15 | 54 | 47 | 45 | | " | " | 3 | |
| 7 | | | | " | " | 2 | | | 30-05 | 58 | 48 | 46 | | Ro. | " | 4 | |
| 8 | | | | " | " | 2 | | | 30-05 | 68 | 50 | 48 | | " | " | 4 | |
| 9 | | | | " | " | 3 | | | 30-05 | 72 | 56 | 52 | | " | " | 4 | |
| 10 | | | | " | South. | 3 | | | 30-05 | 71 | 61 | 56 | | " | " | 4 | |
| 11 | | | | " | S.S.W | 3 | | | 30-04 | 75 | 65 | 59 | | " | " | 4 | |
| Noon. | | | | " | South. | 3 | | | 29-99 | 74 | 66 | 60 | | " | " | 6 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 312 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1626 "

Coal consumed during the preceding 24 hours, tons 1170 lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South | South | 3 | 29-94 | 74 | 69 | 61 | hc | cir. Cum. | 7 | |
| 2 | | " | " | 3 | 29-90 | 74 | 71 | 63 | " | " | 4 | |
| 3 | | " | " | 3 | 29-86 | 75 | 72 | 63 | " | " | 3 | |
| 4 | | " | " | 3 | 29-84 | 72 | 72 | 65 | " | " | 5 | |
| 5 | | " | " | 1 | 29-82 | 73 | 72 | 64 | " | " | 8 | |
| 6 | | " | " | 2 | 29-76 | 73 | 70 | 62 | " | " | 9 | |
| 7 | | " | " | 2-4 | 29-78 | 75 | 67 | 60 | " | " | 8 | |
| 8 | | " | N.N.W. | 4 | 29-76 | 75 | 66 | 60 | s.c.z.l. | Cum | 2 | |
| 9 | | " | NW. | 2-5 | 29-88 | 73 | 62 | 58 | s.c.slt | rain. | 0 | |
| 10 | | " | " | 2 | 29-91 | 74 | 60 | 57 | s.c.r | " | 0 | |
| 11 | | " | " | 1 | 29-91 | 74 | 58 | 56 | " | " | 0 | |
| Mid. | | " | West. | 1 | 29-90 | 67 | 57 | 54 | hc | cir. Cum. | 4 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Tuesday March 14, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Until 4 A.M.
Hazy. Light to gentle breezes from S.S.E.

Geo. F. W. Holman
Lieut. U.S.N.

4 to 8 A.M.
Partly cloudy. pleasant weather. Gentle to light breeze from S.S.E.

F. A. Wilmer
Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy and pleasant. Barometer steady. gentle breeze from S.S.E. to S. and S.S.W. Ensign Field returned from leave. Turned in to Equipment Dept, all sails. boat sails and windsails. By direction of the Navy Dept. in obedience to decision of Summary Court Martial. The sum of $31.67/100 was checked against Peter Hand (Wate Tender).

N. J. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.
Fair to cloudy. Gentle breeze from S. Discharged the following named men from this ship and from the Naval Service. McGinn Jno (C.M.), Anderson Joseph (Ch. Com. Mate) Jones W.S (Ch. Yr. Mn.) Lear N (B. Mate) Cunningham Jas. (2d Yr.) Lake C.E. (2d Yr.) Simonsen H. Co. Corrigan B. Co. Harder A. Co. Laird C (Ctop) Jorna S (Ctop) Olsen C (Ctop) Smith Fred (Ctop) Spear J.H. (C.T.C.) Larsen Thos (Cafy) Johnson Fred (Cafy) Ernest W. (Cafy) Pugh W.C. (Yr. Ck.) Hansen H (Sea) Bertelsen C. (Sea) Bulen P.E. (Sea) Gibbons Thos. (Sea) Kimbachi T. (Sea) Larsson J. (Sea) Simonson J.J. (Sea) Sliney Jno (Sea) Wilson Frank (Sea) Boothby C. (Cl.) Dwyer Patrick (Boy) Flaherty T. (Boy) Dwyer James (Sds) McNierney Ed (Sds) Anderson Thos (Armorer) Larson C. (Blksm.) Hartrick R (C. Mate) Anderson J.A. (Sail M. Mate) Hennessey, Wm. (Mach.) Hand Peter (Water Tender) Kinsler M. (Water Tender) McSweeney Ed. (Water Tender) Cronin J.V. (Cler.) Clinton Jno (2 C.F.) Kenefick C.K. (2 C.F.) Watson R (2 C.F.) Clark R.H. (2 C.F.) Driscoll M. (2 C.F.) Corpe Jno (C.K.) Doyle (C.K.) Galvey J.J. (C.K.) Mahoney Jno (C.K.) McCarthy (C.K.) Dwyer Jno (C.K.) Cosgrove Jos. (C.K.) Enright J.T. (C.K.) Nygren H (Ships Cook) Smith C. (Ships Bugler) Brosnahan J. (of D).
Transferred in the Equipment Department of this ship the following articles.
2 Flying Jibs - 2 Jibs - 2 Foretopmast staysails - 2 Foresails - 2 Foretopsails - 2 Foretopgallant sails 2 Fore royal sails - 1 Mainsail - 2 Maintop sails - 2 Main topgallant sails - 2 Main royal sails - 2 Gaff topsails - 2 Spanker sails - 3 storm sails - 1 Maintopmast staysail - 2 Main trysails - 1 Mizzen topmast staysail - 6 sets boats sails - 1 Catamaran's sail - 7 windsails and covers - 1 Fore trysail.

W. B. Mason Field
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Barometer fluctuating. light to moderate breze from S.
Mustered at quarters.

N. J. T. Newton
Lieut. U.S.N.

8 P.M. to Midnight.
Overcast with heavy rain. Light airs to stiff breze from S. S.W. and N.W.

W. B. Mason Field
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex , 3rd Rate,

Navy Yard Norfolk Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South. | West. | 1 | | | 29-91 | 64 | 55 | 53 | | b.c. | Cir. Cum. nimb | 6 | |
| 2 | | | | " | " | 2 | | | 29-91 | 62 | 55 | 53 | | " | " | 7 | |
| 3 | | | | " | N.W. | 3-5 | | | 29-91 | 57 | 54 | 50 | | " | " | 7 | |
| 4 | | | | " | " | 2-3 | | | 29-91 | 55 | 51 | 48 | | b.g. | none | 10 | |
| 5 | | | | " | " | 1-3 | | | 29-93 | 53 | 49 | 46 | | b.c.g. | cum. | 3 | |
| 6 | | | | " | " | 3 | | | 29-98 | 52 | 48 | 45 | | b.c. | Cir. Cum. | 8 | |
| 7 | | | | " | " | 2 | | | 30-05 | 54 | 46 | 42 | | " | " | 9 | |
| 8 | | | | " | " | 2 | | | 30-10 | 70 | 46 | 42 | | " | cir. | 9 | |
| 9 | | | | " | " | 2 | | | 30-11 | 69 | 45 | 41 | | " | " | 9 | |
| 10 | | | | " | N.W. by N. | 2 | | | 30-11 | 67 | 48 | 43 | | " | " | 9 | |
| 11 | | | | " | " | 2 | | | 30-13 | 69 | 50 | 45 | | " | " | 9 | |
| Noon. | | | | " | " | 2 | | | 30-13 | 70 | 52 | 46 | | " | " | 9 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 286 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 13740 "

Coal consumed during the preceding 24 hours, tons 1170 lbs.

Coal remaining on hand at Noon, 8 " 351 "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | South | N.N.W. | 2 | | | 30-14 | 72 | 52 | 46 | | b.c. | Cir. Cum. Str. Nimb | 1 | |
| 2 | | | " | " | 2 | | | 30-13 | 70 | 53 | 48 | | " | " | 1 | |
| 3 | | | " | " | 2 | | | 31-13 | 71 | 53 | 48 | | " | Cir. Cum. Str. | 2 | |
| 4 | | | " | " | 2 | | | 31-13 | 70 | 54 | 48 | | " | Cir. Cum. Str. Nimb | 3 | |
| 5 | | | " | " | 2 | | | 30-14 | 68 | 54 | 48 | | b.c. | Cir. Cum. | 3 | |
| 6 | | | " | " | 1 | | | 30-14 | 68 | 53 | 48 | | b.c.g. | Cir. Str. | 3 | |
| 7 | | | " | " | 1 | | | 30-14 | 71 | 51 | 46 | | " | Cum. Str. | 1 | |
| 8 | | | " | " | 1 | | | 30-18 | 71 | 49 | 44 | | b.c. | " | 3 | |
| 9 | | | " | " | 1 | | | 30-22 | 71 | 47 | 43 | | " | " | 3 | |
| 10 | | | " | " | 1 | | | 30-25 | 71 | 47 | 43 | | " | " | 3 | |
| 11 | | | " | " | 4 | | | 30-24 | 56 | 46 | 42 | | " | " | 4 | |
| Mid. | | | " | " | 4 | | | 30-25 | 63 | 44 | 41 | | " | " | 4 | |

under the command of W. H. Mead, Commander, U. S. Navy,

Wednesday, March 15, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Fair. Light airs to stiff breezes from West and N. W.

C. M. Stone
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant - barometer rising rapidly - gentle to light breeze from N. W.

F. T. Newton
2d Lieut. U.S.N.

8 A.M. to Meridian.
Clear and fine - light breeze from N.W. to N.W. by W. Mustered at quarters - the following men absent without leave Private John McCombe and ~~Thos~~ Shields and W. Ramsay (S. Appr. 2 class). Sent down standing rigging of topgallant masts and rigged in flying jib-boom.

W. B. Mason Asst.
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy - Light breezes from N.N.W. Unbent jib and rigged in jibboom

C. M. Stone
Ensign U.S.N.

4 to 8 P.M.
Cloudy, light breeze to light airs from N.N.W. Crew at work un-rigging jib boom Mustered at quarters - Pvts John McCombe and F. Shields and W. Ramsay (Sa. 2. c.) absent without leave

W. B. Mason Asst.
Ensign U.S.N.

8 P.M. to Midnight.
Cloudy. Light airs to moderate breezes from N.N.W.

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | N. N.W. | 4 | | | 30-25 | 49 | 43 | 39 | | l.d. | cir. cum. | 5 | |
| 2 | | | | " | " | 4 | | | 30-26 | 46 | 41 | 38 | | " | " | 5 | |
| 3 | | | | " | " | 4 | | | 30-26 | 44 | 38 | 35 | | " | " | 6 | |
| 4 | | | | " | North. | 4 | | | 30-25 | 40 | 37 | 34 | | l. | none | 10 | |
| 5 | | | | " | " | 5 | | | 30-28 | 43 | 36 | 33 | | " | " | 10 | |
| 6 | | | | " | N.W. | 4 | | | 30-31 | 42 | 35 | 32 | | l.c. | cir cum | 9 | |
| 7 | | | | " | " | 3 | | | 30-36 | 42 | 34 | 31 | | l. | none | 10 | |
| 8 | | | | " | " | 3 | | | 30-42 | 62 | 34 | 32 | | " | " | 10 | |
| 9 | | | | " | N.N.W. | 3 | | | 30-49 | 69 | 37 | 34 | | l.c. | cir cum | 9 | |
| 10 | | | | " | " | 4 | | | 30-49 | 71 | 40 | 37 | | " | " | 9 | |
| 11 | | | | " | " | 4 | | | 30-50/2 | | 43 | 38 | | " | " | 9 | |
| Noon. | | | | " | " | 4 | | | 30-47 | 70 | 45 | 41 | | " | " | 9 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 245 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1095 "

Coal consumed during the preceding 24 hours, tons 1170 lbs.

Coal remaining on hand at Noon, 7 " 1421 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | South | N. N. W. | 3 | | | 30-50 | 70 | 45 | 40 | l.c. | cum | 9 |
| 2 | | | " | " | 2 | | | 30-48 | 70 | 49 | 48 | " | | 8 |
| 3 | | | " | " | 2 | | | 30-46 | 72 | 50 | 43 | " | | 8 |
| 4 | | | " | " | 0 | | | 30-46 | 72 | 51 | 45 | " | | 8 |
| 5 | | | " | " | 2 | | | 30-46 | 70 | 50 | 44 | " | Cum Str. | 6 |
| 6 | | | N by E. | " | 0 | | | 30-47 | 75 | 48 | 43 | " | Str. Cum. | 3 |
| 7 | | | " | " | 2 | | | 30-46 | 77 | 44 | 40 | " | " | 4 |
| 8 | | | East. | " | 2 | | | 30-46 | 74 | 42 | 39 | " | " | 5 |
| 9 | | | " | " | 2 | | | 30-46 | 73 | 41 | 38 | " | " | 7 |
| 10 | | | " | " | 2 | | | 30-47 | 73 | 40 | 37 | " | " | 7 |
| 11 | | | " | " | 2 | | | 30-46 | 67 | 40 | 37 | " | " | 7 |
| Mid. | | | " | " | 2 | | | 30-43 | 65 | 40 | 37 | " | " | 7 |

under the command of W. W. Mead, Commander, U. S. Navy,
Thursday March 16, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant - Moderate breez from N. N. W. to North -

Forgx Lieut. H. Kalman
Lieut. U.S.N.

4 to 8 A.M.
Clear and cold - gentle to stiff breze from N. & N.W - Liberty party returned -

W. Rx Mann Jr.
Ensign U.S.N.

8 A.M. to Meridian
Clear and pleasant. Gentle and moderate breezes from N. N. W. & to 9.30 mustered at quarters - Privates Jn McComb and Thos Shields and WRamsay (Sap 2.c.) absent without leave. By order of Commanding officer offered a reward of $10. each for their apprehension. Started distiller. Sent all light standing rigging & standing rigging of jib boom to rigging loft. Paymaster W. H. Barry went on leave of absence for one week.

D. McCrone
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Gentle to light breze from N. & W. Distilling. Two men from Construction Dept. on board engaged in boring outside planking of ship for survey and two inspecting the Cosperage on board. John McComb (Private), returned on board 1 hour 2 3/4 hours overtime.

Forgx Lieut. H. Kalman
Lieut. U.S.N.

4 to 8 P.M.
Cloudy. Light breezes from N. N. W. & N by E. At 6.00 mustered at quarters Thos Shields (P.M.C.) and W Ramsay (S.A 2.C) absent without leave

D. McCrone
Ensign U.S.N.

8 P.M. to Midnight
Clear and cool - Light breze from East - Distilling.

Forgx Lieut. H. Kalman
Lieut. U.S.N.

Examined and found to be correct.

A. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard, Norfolk, Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | East | 2 | | | 30-40 | 62 | 39 | 36 | | bo | cir. cumu | 6 | |
| 2 | | | | " | " | 1 | | | 30-38 | 60 | 39 | 36 | | " | " | 4 | |
| 3 | | | | " | S.E. | 2 | | | 30-37 | 59 | 39 | 36 | | " | " | 4 | |
| 4 | | | | " | " | 1 | | | 30-37 | 58 | 39 | 36 | | " | " | 2 | |
| 5 | | | | " | " | 1 | | | 30-36 | 57 | 38 | 35 | | o.c. | Nim. | 0 | |
| 6 | | | | " | East | 1 | | | 30-36 | 55 | 38 | 35 | | " | " | 0 | |
| 7 | | | | " | E by N | 1 | | | 30-34 | 55 | 40 | 37 | | " | " | 0 | |
| 8 | | | | " | " | 1 | | | 30-34 | 69 | 39 | 37 | | " | " | 0 | |
| 9 | | | | " | " | 1 | | | 30-34 | 69 | 42 | 39 | | " | " | 0 | |
| 10 | | | | " | E.N.E. | 1 | | | 30-34 | 70 | 43 | 40 | | o.c. & | " | 0 | |
| 11 | | | | " | " | 1 | | | 30-31 | 69 | 43 | 41 | | " | " | 0 | |
| Noon. | | | | " | " | 1 | | | 30-31 | 69 | 42 | 41 | | " | " | 6 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 240 gallons.

Water distilled during the preceding 24 hours, 2265 "

Water remaining on hand fit for use at Noon, 3120 "

Coal consumed during the preceding 24 hours, 2 tons 257 lbs.

Coal remaining on hand at Noon, 5 " 1164 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South. | N.E. | 1 | | 30-26 | 68 | 42 | 40 | o.c. | Clim | Nim | 0 | |
| 2 | | " | " | 2 | | 30-21 | 69 | 41 | 40 | " | " | | 0 | |
| 3 | | " | " | 3 | | 30-14 | 65 | 41 | 40 | " | " | | 0 | |
| 4 | | " | E.N.E. | 4 | | 30-08 | 66 | 39 | 38 | o.c.r. | " | | 0 | |
| 5 | | " | N. by E. | 3 | | 30-07 | 67 | 41 | 40 | o.c.r.h. | " | | 0 | |
| 6 | | " | " | 3 | | 30-06 | 69 | 42 | 40 | o.c.h. | " | | 0 | |
| 7 | | " | N.E. by E. | 4 | | 30-06 | 74 | 42 | 40 | " | " | | 0 | |
| 8 | | " | N. by E. | 4 | | 30-06 | 73 | 42 | 40 | o.c.r.h. | " | | 0 | |
| 9 | | " | N.E. | 4 | | 30-05 | 74 | 42 | 40 | " | " | | 0 | |
| 10 | | " | " | 3 | | 30-05 | 73 | 41 | 40 | " | " | | 0 | |
| 11 | | " | " | 3 | | 30-04 | 71 | 40 | 39 | " | " | | 0 | |
| Mid. | | " | " | 3 | | 30-04 | 69 | 41 | 40 | " | " | | 0 | |

under the command of W. H. Mood, Commander, U. S. Navy,

Friday March 17, 1873.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy - Light airs and breezes from East to S.E. Distilling.

F. A. Harris
Lieut. U.S.N.

4 to 8 A.M.
Overcast and cloudy. Light airs from S.E., East and Ely N.

D. Merrone
Ensign U.S.N.

8 A.M. to Meridian.
Overcast. Snowing after 9h 45m. Light airs from E by N. to E.N.E. At 9h 30m mustered at quarters: absentees Private Thos Shields (M.C.) and W. Ramsay (Sea.2c) Stopped distilling and banked fires for heating. Sent the jib, Spanker and standing head gear to the Sail-loft. Two men from Construction Department engaged in boring ships outside planking for inspection.

Geo. F. W. Holman
Lieut. U.S.N.

Meridian to 4 P.M.
Overcast and cloudy with snow first part, rain last hour. Light airs to moderate breze from N.E. to E.N.E.

F. A. Harris
Lieut. U.S.N.

4 o'clock to 8 P.M.
Overcast, cold. Gentle to moderate breze from E.N.E., to N. by E., with rain, hail and sleet. Receiving water in boilers from hydrant on shore from 6 to 7. Sent a liberty party on shore.

Geo. F. W. Holman
Lieut. U.S.N.

8 P.M. to Midnight
Overcast, cloudy and raining, sleet, cold. Moderate to gentle breeze from N.E.

F. A. Harris
Lieut. U.S.N.

Examined and found to be correct.

A. K. Curtis
Lt. Navigator.

# LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Navy Yard, Norfolk Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | N.E. | 2 | | | 30-03 | 62 | 43 | 40 | | o cd | nim | 0 | |
| 2 | | | | " | " | 2 | | | 30-02 | 58 | 42 | 40 | | " | " | 0 | |
| 3 | | | | " | N by E | 2 | | | 30-02 | 57 | 41 | 40 | | " | " | 0 | |
| 4 | | | | " | " | 2 | | | 30-02 | 55 | 41 | 40 | | " | " | 0 | |
| 5 | | | | " | " | 1 | | | 30-02 | 54 | 40 | 39 | | " | " | 0 | |
| 6 | | | | " | North | 1 | | | 30-04 | 53 | 39 | 38 | | " | " | 0 | |
| 7 | | | | " | " | 2 | | | 30-08 | 60 | 40 | 38 | | " | " | 0 | |
| 8 | | | | " | " | 2 | | | 30-15 | 63 | 40 | 38 | | " | " | 0 | |
| 9 | | | | " | NW. | 2 | | | 30-15 | 72 | 40 | 38 | | " | " | 0 | |
| 10 | | | | " | West | 2 | | | 30-13 | 72 | 40 | 38 | | " | " | 0 | |
| 11 | | | | " | " | 2 | | | 30-16 | 72 | 41 | 39 | | " | " | 0 | |
| Noon. | | | | " | " | 1 | | | 30-16 | 71 | 41 | 39 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 220 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2900 "

Coal consumed during the preceding 24 hours, tons 1170 lbs.

Coal remaining on hand at Noon, 4 " 2234 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South | N.NW. | 1 | 30-19 | 71 | 41 | 39 | | sq | nim | 0 | | |
| 2 | | " | NW. by W. | 1 | 31-19 | 72 | 42 | 39 | | " | " | 0 | | |
| 3 | | " | NW. | 1 | 30-17 | 70 | 44 | 41 | | " | " | 0 | | |
| 4 | | " | N. by W. | 1 | 30-17 | 70 | 43 | 41 | | " | " | 0 | | |
| 5 | | " | N.NE | 1 | 30-18 | 69 | 44 | 41 | | " | " | 0 | | |
| 6 | | " | " | 1 | 30-19 | 72 | 44 | 42 | | " | " | 0 | | |
| 7 | | " | " | 1 | 30-21 | 78 | 43 | 41 | | bq | Ci. Cum. | 3 | | |
| 8 | | " | " | 1 | 30-22 | 75 | 44 | 41 | | " | " | 2 | | |
| 9 | | " | " | 1 | 30-25 | 74 | 42 | 40 | | " | " | 5 | | |
| 10 | | " | " | 1 | 30-27 | 74 | 41 | 39 | | " | " | 6 | | |
| 11 | | " | " | 2 | 30-27 | 69 | 40 | 38 | | " | " | 6 | | |
| Mid. | | " | " | 1 | 30-27 | 63 | 41 | 40 | | " | " | 7 | | |

under the command of W. W. Mead, Commander, U. S. Navy,
Saturday, March 18, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Overcast - drizzling - light breeze from N.E. and N.N.E.

N.J.T. Newton
Lieut. U.S.N.

4 to 8 A.M.
Overcast - Cold - Light airs and breezes from N. by E. to North - Engaged in filling boilers from hydrant on shore from 6 to 8.

Jchn G. W. Holman
Lieut. U.S.N.

8 A.M. to Meridian
Overcast. Cold. Light breeze to light airs from N.W. and West. T. O'Donnell (Sdr) and W. Ramsay (S. App 2 class) Thos Shields (Mc) absent without leave - A Board of Officers from Equipment surveyed running rigging. By order of the Commanding Officer changed the rates of the following men: Bailey, B. from W.K. Steward to Landsman from March 12th; - Oates Wm from Landsman, to Steerage Steward from March 12th; - Gundersen C. from Ordinary Seaman to Seaman from March 17th 1893. - Miller R.J. from Steerage Steward to Ward Room Steward from Mch 12 1893

W. F. Harrison
Lieut. U.S.N.

Meridian to 4 P.M.
Overcast, barometer fluctuating. Light airs from N. and W'd. - Construction Dept of Yard, making brings in Starboard side and overhauling locks. Equipment overhauling running gear.

N.J.T. Newton
Lieut. U.S.N.

4 to 8 P.M.
Overcast and cloudy. Light airs from N.N.E. At 6 mustered at quarters. - Private T. Shields (Mc) Thos O'Donnell (Sdr) and W. Ramsay (S. App. 2 class) absent without leave.

W. F. Harrison
Lieut. U.S.N.

8 P.M. to Midnight.
Clear and pleasant. barometer steady. Light airs from N.N.E.

N.J.T. Newton
Lieut. U.S.N.

Examined and found to be correct.

C.K. Curtis
Lieut. Navigator.

# LOG of the UNITED STATES Steamer Osceola, 3rd Rate,

Navy Yard Norfolk, Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | N.E. | 1 | | | 30-27 | 63 | 44 | 40 | | bc | Cir. Cum. | 4 | |
| 2 | | | | " | " | 1 | | | 30-26 | 58 | 41 | 40 | | b. | None | 10 | |
| 3 | | | | " | " | 1 | | | 30-26 | 58 | 41 | 39 | | " | " | 10 | |
| 4 | | | | " | " | 1 | | | 30-25 | 55 | 40 | 39 | | " | " | 10 | |
| 5 | | | | " | N.W. | 2 | | | 30-26 | 54 | 41 | 38 | | bcm | Cir. Cum. | 4 | |
| 6 | | | | " | " | 1 | | | 30-28 | 53 | 40 | 39 | | " | " | 6 | |
| 7 | | | | " | " | 1 | | | 30-32 | 56 | 40 | 39 | | " | " | 6 | |
| 8 | | | | " | " | 2 | | | 30-39 | 69 | 42 | 40 | | " | " | 6 | |
| 9 | | | | " | " | 2 | | | 30-40 | 69 | 42 | 40 | | " | " | 4 | |
| 10 | | | | " | " | 2 | | | 30-44 | 69 | 48 | 45 | | bcm | cum | 7 | |
| 11 | | | | " | N. by E | 2 | | | 30-42 | 67 | 50 | 46 | | bc | " | 7 | |
| Noon. | | | | " | N.N.E | 2 | | | 30-41 | 60 | 50 | 46 | | bcm. | Cir. Cum. | 6 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 284 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2616 "

Coal consumed during the preceding 24 hours, tons 1170 lbs.

Coal remaining on hand at Noon, 4 " 1064 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South | N. by E. | 2 | 30-46 | 68 | 53 | 48 | | bcm | cum | 4 | |
| 2 | " | " | 2 | 30-40 | 70 | 53 | 49 | | " | " | 4 | |
| 3 | " | N.E. | 2 | 30-39 | 70 | 55 | 49 | | " | " | 7 | |
| 4 | " | " | 2 | 30-36 | 68 | 54 | 48 | | " | " | 4 | |
| 5 | " | " | 2 | 30-35 | 68 | 51 | 46 | | " | " | 7 | |
| 6 | " | S.E. | 2 | 30-35 | 68 | 50 | 45 | | " | Cir Cum | 8 | |
| 7 | " | " | 2 | 30-35 | 70 | 47 | 43 | | " | " | 8 | |
| 8 | " | " | 2 | 30-36 | 72 | 47 | 45 | | " | " | 8 | |
| 9 | " | " | 2 | 30-37 | 74 | 49 | 43 | | " | " | 8 | |
| 10 | " | " | 1 | 30-37 | 74 | 46 | 42 | | " | " | 8 | |
| 11 | " | " | 1 | 30-37 | 69 | 44 | 41 | | " | " | 7 | |
| Mid. | " | " | 1 | 30-36 | 65 | 44 | 41 | | " | " | 7 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday March 19, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cold. Light airs from N.E.

W. T. Harris
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant, light airs to light breeze from N.W.

W. Ay Mason Jr.
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant - barometer steady - Light breeze from N.W. - N by E. and N.N.E. At 9.30 quarters. Commanding Officer inspected ship and crew. W. Ramsay (Sd 2 cl) returned on board 9 hours overtime

N J Newton
Lieut U.S.N.

Meridian to 4 P.M.
Clear and pleasant, light breeze from N. by E. and N.E.

W. Ay Mason Jr.
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant - barometer steady - Light breeze from 16 Pts S.E.

N. J. Newton
Lieut U.S.N.

8 P.M. to Midnight.
Clear and pleasant - light breeze to light airs from S.E.

W. Ay Mason Jr.
Ensign U.S.N.

Examined and found to be correct.

Jas. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Fleet, 3rd Rate,
Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | South. | S.E. | 2 | | | 30-36 | 63 | 43 | 41 | | bc | Cir. Cumi. | 9 | |
| 1 | | | | " | " | 1 | | | 30-35 | 62 | 43 | 40 | | " | " | 9 | |
| 2 | | | | " | " | 1 | | | 30-35 | 61 | 42 | 39 | | " | " | 9 | |
| 3 | | | | " | " | 2 | | | 30-32 | 60 | 42 | 40 | | " | " | 9 | |
| 4 | | | | " | " | 1 | | | 30-32 | 58 | 41 | 40 | | " | " | 9 | |
| 5 | | | | " | South | 1 | | | 30-32 | 58 | 40 | 39 | | " | " | 9 | |
| 6 | | | | " | " | 1 | | | 30-35 | 60 | 41 | 40 | | " | " | 9 | |
| 7 | | | | " | West | 1 | | | 30-35 | 60 | 41 | 40 | | " | " | 9 | |
| 8 | | | | " | N.N.W. | 2 | | | 30-42 | 67 | 46 | 43 | | " | " | 9 | |
| 9 | | | | " | " | 2 | | | 30-44 | 68 | 50 | 44 | | " | " | 9 | |
| 10 | | | | " | North | 1 | | | 30-46 | 67 | 53 | 49 | | " | " | 9 | |
| 11 | | | | " | " | 1 | | | 30 | 46 | 69 | 55 | 57 | " | " | 9 | |
| Noon. | | | | | | | | | | | | | | | | | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 228 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2388 "

Coal consumed during the preceding 24 hours, tons 223/ lbs.

Coal remaining on hand at Noon, 3 " 1073 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South. | N.N.E. | 2 | | 30-46 | 69 | 57 | 52 | bc | Cir. Cumi. | 9 | | |
| 2 | | " | " | 2 | | 30-44 | 65 | 57 | 52 | " | " | 8 | | |
| 3 | | " | E.N.E. | 2 | | 30-44 | 68 | 58 | 53 | " | " | 9 | | |
| 4 | | " | " | 2 | | 30-44 | 68 | 58 | 53 | " | " | 9 | | |
| 5 | | " | " | 2 | | 30-44 | 65 | 53 | 49 | " | Cum. Str. | 7 | | |
| 6 | | " | East | 2 | | 30-42 | 64 | 51 | 48 | " | Cir. Cumi. Str. | 4 | | |
| 7 | | " | " | 1 | | 30-44 | 71 | 51 | 47 | bc | " | 5 | | |
| 8 | | " | " | 1 | | 30-44 | 72 | 51 | 49 | " | " | 4 | | |
| 9 | | " | " | 1 | | 30-44 | 73 | 50 | 48 | " | " | 6 | | |
| 10 | | " | S.E. | 1 | | 30-43 | 73 | 50 | 44 | f | none | 10 | | |
| 11 | | " | " | 1 | | 30-42 | 69 | 50 | 47 | " | " | 10 | | |
| Mid. | | " | " | 1 | | 30-39 | 66 | 48 | 46 | " | " | 10 | | |

under the command of T. A. Mead, Commander, U. S. Navy,

Sunday March 20, 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Until 4 A.M.
Clear and pleasant. Light airs and breezes from S.E.

J. M. Malone
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant - barometer rising - Light airs from SE, S and W.

J. J. T. Newton
Lieut. U.S.N.

8 A.M. to Meridian
Clear and fine - light breeze to light airs from N.N.W. to N. Mustered at quarters. Made preparations for sending down fore topsail yard - was this day discharged from the Naval Service of the United States.

P. Magrath (Wardroom Cook),
W. H. Mason Mate.
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light breezes from N.N.E. and E.N.E. Transferred C. Gundersen (Seaman) with bag and hammock to Naval hospital. Sent down fore topsail yard and landed it on dock - Housed fore topmast and began to send down standing rigging of that mast.

C. M. Malone
Ensign U.S.N.

4 to 8 P.M.
Clear and fine, light airs from S.S.E. East. Finished taking off the topmast standing rigging -

W. H. Mason Mate.
Ensign U.S.N.

8 P.M. to Midnight -
Clear and fine, light airs from S.E.

W. H. Mason Mate.
Ensign U.S.N.

Examined and found to be correct.

A. K. Lamb
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | S. E. | 2 | | | 30-37 | 64 | 48 | 46 | | b | none | 10 | |
| 2 | | | | " | " | 2 | | | 30-35 | 62 | 48 | 45 | | " | " | 10 | |
| 3 | | | | " | " | 1 | | | 30-32 | 61 | 47 | 45 | | " | " | 10 | |
| 4 | | | | " | " | 1 | | | 30-29 | 60 | 46 | 44 | | " | " | 10 | |
| 5 | | | | " | " | 1 | | | 30-28 | 59 | 46 | 44 | | b.c. | cum | 9 | |
| 6 | | | | " | " | 1 | | | 30-28 | 59 | 46 | 44 | | " | " | 9 | |
| 7 | | | | " | South. | 1 | | | 30-29 | 57 | 48 | 45 | | b.c.m. | " | 9 | |
| 8 | | | | " | S. by E. | 1 | | | 30-29 | 59 | 48 | 45 | | o.c.r. | nim. | 0 | |
| 9 | | | | " | South | 2 | | | 30-28 | 68 | 51 | 48 | | " | ci. cum. nim. | 0 | |
| 10 | | | | " | " | 2 | | | 30-29 | 68 | 57 | 51 | | o.c.d. | " | 0 | |
| 11 | | | | " | S. W. | 2 | | | 30-29 | 67 | 55 | 52 | | o.c. | " | 0 | |
| Noon. | | | | " | " | 2 | | | 30-28 | 67 | 55 | 52 | | o.c.d. | " | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 242 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2146 "

Coal consumed during the preceding 24 hours, tons 650 lbs.

Coal remaining on hand at Noon, 3 " 423 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South. | S. W. | 2 | | 30-29 | 69 | 68 | 57 | o.c. | cir. nim. | 0 | | |
| 2 | | " | " | 2 | | 30-27 | 70 | 60 | 56 | o.c.d. | nim. | 0 | | |
| 3 | | " | " | 2 | | 30-26 | 70 | 62 | 58 | o.c. | cum. nim. | 0 | | |
| 4 | | " | " | 2 | | 30-25 | 71 | 63 | 58 | " | cum. cir. nim. | 0 | | |
| 5 | | " | " | 2 | | 30-25 | 70 | 63 | 58 | " | " | 0 | | |
| 6 | | " | " | 1 | | 30-25 | 72 | 63 | 60 | " | " | 0 | | |
| 7 | | " | " | 1 | | 30-24 | 76 | 63 | 59 | " | " | 0 | | |
| 8 | | " | " | 1 | | 30-24 | 75 | 63 | 59 | " | " | 0 | | |
| 9 | | " | " | 1 | | 30-24 | 75 | 62 | 59 | " | nim. | 0 | | |
| 10 | | " | " | 1 | | 30-24 | 75 | 62 | 59 | " | " | 0 | | |
| 11 | | " | " | 1 | | 30-24 | 70 | 61 | 58 | o.c.d. | " | 0 | | |
| Mid. | | " | " | 1 | | 30-24 | 69 | 61 | 57 | " | " | 0 | | |

under the command of H. Mead, Commander, U. S. Navy,

Tuesday, March 21, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Clear, light breeze to light airs from S.E.

W. Ng Mann Mate
Ensign U.S.N.

4 to 8 A.M.
Clear then overcast - light airs from S.E. to South. Dr. O. Diehl returned from leave.

F.W. Ng Mann Mate.
Ensign U.S.N.

8 A.M. to Meridian
Overcast and cloudy - Light breezes from South and S.W. At 9.30 mustered at quarters - Private C.H. Hutter absent without leave - Sent down fore topmast cross-trees. Sent Marine-guard to barracks for drill.

C.M. Stone
Ensign U.S.N.

Lieut. (J.G.) H. Holman U.S.N. {was this day detached from this ship and ordered to report for duty at the Torpedo Station, Newport R.I.}

Meridian to 4 P.M.
Overcast and cloudy with very light drizzle second hour. Light breeze from S.W. Engaged overhauling and inspecting chains - Lt. J.V.B. Bleecker U.S.N. left the ship on six days leave from 22nd March.

H. H. Wilson
Lieut U.S.N.

4 to 8 P.M.
Overcast and cloudy - Light airs from S.W. Sent liberty party on shore. Rec'd towed chains - At 6 mustered at quarters C.H. Hutter (P.M.) absent without leave.

C.M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Overcast and cloudy - raining last two hours. Light airs from S.W.

C.M. Stone
Ensign U.S.N.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Dale 3 5 Rate,

Navy Yard, Norfolk. Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South. | S. W. | 1 | | | 30-27 | 67 | 59 | 57 | | o.c.r | nim. | 0 | |
| 2 | | | | " | Calm | 0 | | | 30-27 | 67 | 59 | 57 | | " | " | 0 | |
| 3 | | | | " | " | 0 | | | 30-27 | 66 | 58 | 56 | | o.c. | " | 0 | |
| 4 | | | | " | " | 0 | | | 30-26 | 66 | 58 | 57 | | b.c. | Cir. Cum. Nim. | 1 | |
| 5 | | | | " | " | 0 | | | 30-26 | 64 | 57 | 57 | | " | " | 4 | |
| 6 | | | | " | South. | 1 | | | 30-27 | 64 | 58 | 56 | | " | " | 4 | |
| 7 | | | | " | " | 1 | | | 30-27 | 63 | 58 | 57 | | " | " | 3 | |
| 8 | | | | " | S S W | 1 | | | 30-29 | 64 | 58 | 57 | | " | " | 3 | |
| 9 | | | | " | S by W. | 1 | | | 30-31 | 70 | 58 | 57 | | " | Cir. Cum. Str. | 3 | |
| 10 | | | | " | S W. | 2 | | | 30-32 | 71 | 64 | 61 | | " | " | 3 | |
| 11 | | | | " | S S W. | 1 | | | 30-32 | 71 | 66 | 62 | | " | " | 3 | |
| Noon. | | | | " | S by W. | 2 | | | 30-32 | 71 | 65 | 62 | | o.c.g. | Cum. Nim. | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 270 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1876 "

Coal consumed during the preceding 24 hours, tons 800 lbs.

Coal remaining on hand at Noon, 2 " 1863 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | South | West. | 2 | 30-31 | 71 | 65 | 62 | o.c.g. | Cum. Nim. | 0 | | |
| 2 | | | " | S.W. | 1 | 30-31 | 71 | 65 | 62 | " | Cir. Cum | 0 | | |
| 3 | | | " | South. | 1 | 30-30 | 71 | 65 | 62 | " | " | 0 | | |
| 4 | | | " | " | 1 | 30-28 | 71 | 64 | 62 | " | " | 0 | | |
| 5 | | | " | " | 1 | 30-28 | 71 | 63 | 62 | o.c.d. | Nim. | 0 | | |
| 6 | | | " | " | 1 | 30-28 | 73 | 63 | 62 | o.c.r. | " | 0 | | |
| 7 | | | " | " | 1 | 30-29 | 77 | 64 | 63 | " | " | 0 | | |
| 8 | | | " | " | 1 | 30-28 | 77 | 64 | 63 | o.c.y. | " | 0 | | |
| 9 | | | " | Calm | 0 | 30-30 | 76 | 64 | 63 | b.c. | Cir. Cum. Nim. | 1 | | |
| 10 | | | " | " | 0 | 30-28 | 76 | 62 | 61 | " | " | 2 | | |
| 11 | | | " | South. | 1 | 30-28 | 77 | 62 | 61 | " | " | 5 | | |
| Mid. | | | " | " | 1 | 30-27 | 70 | 63 | 61 | o.c.r | " | 0 | | |

under the command of W. W. Mead, Commander, U. S. Navy,
Wednesday, March 22, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.
Overcast and cloudy. Raining first two hours. Calm and light airs from S. W.

C. M. Stone
Ensign U.S.N.

4 to 8 A.M.
Cloudy. Calm and light airs from South. Executed morning order. Landed main top-sail yard on dock.

C. M. Stone
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy. Pleasant weather. Light airs to light breeze from S. by W. and S.S.W. At 9.30 mustered at quarters. Private C. H. Sutton (U.S.M.C.) absent without leave. Chief Engr. H. Rowe, U.S.N. returned from leave. Crew engaged in paying chain below. The Construction Board of which Naval Constructor J. J. Woods is the head, made general survey of the ship.

W. F. Worden
Lieut. U.S.N.

Meridian to 4 P.M.
Overcast - raining at times - barometer steady - light breeze and light airs from North, S.W. and South. Received in Equipment 10 tons coal.

W. T. Hunter
Lieut. U.S.N.

4 to 8 P.M.
Overcast and raining. Light airs from South. W. Yates (Steerage Steward) returned from liberty under the influence of liquor, and by order of the Commanding Officer, was placed in double irons, under sentry's charge.

W. F. Worden
Lieut. U.S.N.

8 P.M. to Midnight.
Overcast, with rain last hour. Calm and very light airs from South.

W. F. Worden
Lieut. U.S.N.

Examined and found to be correct.

A. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South. | South. | 1 | | | 30-28 | 69 | 62 | 61 | | o.c.r. | Cum, Nim | 0 | |
| 2 | | | | " | " | 1 | | | 30-27 | 69 | 62 | 61 | | " | " | 0 | |
| 3 | | | | " | " | 1 | | | 30-24 | 69 | 61 | 60 | | " | " | 0 | |
| 4 | | | | " | " | 1 | | | 30-26 | 69 | 61 | 60 | | " | " | 0 | |
| 5 | | | | " | E. by S. | 1 | | | 30-25 | 67 | 57 | 55 | | " | " | 0 | |
| 6 | | | | " | " | 1 | | | 30-25 | 59 | 53 | 53 | | " | " | 0 | |
| 7 | | | | " | N.E. | 1 | | | 30-26 | 55 | 54 | 53 | | " | " | 0 | |
| 8 | | | | " | N. by E. | 1 | | | 30-29 | 69 | 53 | 51 | | " | Nim | 0 | |
| 9 | | | | " | North. | 2 | | | 30-31 | 71 | 53 | 51 | | " | " | 0 | |
| 10 | | | | " | " | 1 | | | 30-31 | 71 | 58 | 57 | | " | " | 0 | |
| 11 | | | | " | N.E. | 1 | | | 30-32 | 66 | 52 | 51 | | " | " | 0 | |
| Noon. | | | | " | " | 1 | | | 30-31 | 67 | 53 | 51 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 220 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1656 "

Coal consumed during the preceding 24 hours, tons 750 lbs.
"Received" " " " " " 10 " "

Coal remaining on hand at Noon, 12 " 1113 "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | South. | N.E. | 1 | | | 30-30 | 70 | 53 | 52 | | o.c.r. | nim | 0 | |
| 2 | | | | " | N.N.E. | 1 | | | 30-30 | 69 | 53 | 51 | | " | " | 0 | |
| 3 | | | | " | N.E. | 2 | | | 30-29 | 70 | 53 | 51 | | o.c. | " | 0 | |
| 4 | | | | " | " | 2 | | | 30-28 | 72 | 54 | 52 | | " | " | 0 | |
| 5 | | | | " | N.N.E. | 2 | | | 30-26 | 66 | 54 | 52 | | o.c.r. | " | 0 | |
| 6 | | | | " | N.E. by N. | 2 | | | 30-26 | 67 | 52 | 50 | | " | " | 0 | |
| 7 | | | | " | N.E. | 1 | | | 30-26 | 69 | 52 | 50 | | " | " | 0 | |
| 8 | | | | " | " | 1 | | | 30-26 | 71 | 52 | 50 | | " | " | 0 | |
| 9 | | | | " | " | 1 | | | 30-26 | 71 | 52 | 51 | | c.c.r | " | 0 | |
| 10 | | | | " | " | 1 | | | 30-26 | 71 | 52 | 51 | | " | " | 0 | |
| 11 | | | | " | " | 1 | | | 30-24 | 64 | 51 | 50 | | o.c.d | " | 0 | |
| Mid. | | | | " | " | 1 | | | 30-24 | 66 | 52 | 51 | | " | " | 0 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Thursday March 23, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and raining. Light airs from S. & W. Private C. H. Fuller (U.S.M.C.) returned 40 hours overtime.

F. A. Prime
Lieut. U.S.N.

4 to 8 A.M.

Cloudy and raining. Light airs from South to E. by S. and N.N.E. W. J. Oates (Steerage Steward) was released from sentry's charge and restored to duty by order of Commanding Officer.

F. A. Prime
Lieut. U.S.N.

8 A.M. to Meridian.

Overcast, raining at times. Light breeze and light airs from North and N.E. Barometer steady. Called all hands to Muster and read the sentence of the Gen. Court in the case of Private Quigley as mitigated by the Hon. Secretary of the Navy. C. J. Miller (Ships Barber) reported expiration term of enlistment. Paymaster W. W. Barry returned from leave. Transfered Private Quigley to Maine Barracks for confinement according to sentence.

J. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Overcast and raining. Light airs to light breeze from N.E. and N.N.E. C. J. Miller (Ship's Barber) was this day discharged from the Naval Service of the United States by reason of the expiration of his enlistment.

W. Ray Mann Asst.
Engineer U.S.N.

4 to 8 P.M.

Overcast - raining at times - barometer steady - Light breeze from N.N.E. and N.E. by N. Seamen alongside two coal barges - by order of Commandant of Yard.

J. T. Newton
Lieut. U.S.N.

8 P.M. to Midnight.

Overcast - raining at times - light airs from N.E.

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South. | N.E. | 1 | | | 30-19 | 65 | 52 | 51 | | o.c. r.m. | nim. | 0 | |
| 2 | | | | " | " | 1 | | | 30-17 | 65 | 52 | 51 | | o.c.m. | " | 0 | |
| 3 | | | | " | " | 1 | | | 30-14 | 62 | 52 | 51 | | " | " | 0 | |
| 4 | | | | " | " | 1 | | | 30-12 | 63 | 52 | 51 | | o.c.r.m. | " | 0 | |
| 5 | | | | " | " | 1 | | | 30-11 | 64 | 52 | 51 | | " | " | 0 | |
| 6 | | | | " | " | 1 | | | 30-11 | 64 | 52 | 51 | | " | " | 0 | |
| 7 | | | | " | Calm | 0 | | | 30-11 | 64 | 54 | 53 | | o.c.m. | " | 0 | |
| 8 | | | | " | South | 1 | | | 30-11 | 68 | 55 | 54 | | o.c.f.d. | " | 0 | |
| 9 | | | | " | S.S.W. | 2 | | | 30-10 | 69 | 63 | 62 | | to | cum nim. | 1 | |
| 10 | | | | " | " | 2 | | | 30-10 | 69 | 69 | 67 | | " | " | 2 | |
| 11 | | | | " | " | 3 | | | 30-10 | 67 | 69 | 67 | | o.c. | " | 0 | |
| Noon. | | | | " | " | 3 | | | 30-09 | 68 | 70 | 67 | | to | " | 1 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 240 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1416 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | South. | S.S.W. | 3 | | | 30-15 | 75 | 74 | 70 | | to | cir. cum. | str. | 3 |
| 2 | | | | " | " | 3 | | | 30-00 | 72 | 77 | 71 | | " | cir. cum. | | 3 |
| 3 | | | | " | S. by W. | 2 | | | 29-98 | 72 | 77 | 72 | | " | " | | 2 |
| 4 | | | | " | " | 3 | | | 29-98 | 72 | 75 | 71 | | to q. | " | | 2 |
| 5 | | | | " | South. | 2 | | | 29-97 | 72 | 73 | 70 | | to q. | " | | 2 |
| 6 | | | | " | " | 3 | | | 29-95 | 72 | 71 | 68 | | " | " | | 2 |
| 7 | | | | " | " | 3 | | | 29-95 | 75 | 70 | 68 | | " | " | | 1 |
| 8 | | | | " | " | 3 | | | 29-95 | 76 | 70 | 68 | | " | " | | 1 |
| 9 | | | | " | " | 2 | | | 29-95 | 76 | 70 | 69 | | to | c | " | 3 |
| 10 | | | | " | S.W. by S. | 2 | | | 29-96 | 74 | 70 | 68 | | o.c. | Nim | | 0 |
| 11 | | | | " | " | 1 | | | 29-95 | 64 | 70 | 66 | | " | " | | 0 |
| Mid. | | | | " | " | 2 | | | 29-94 | 70 | 69 | 65 | | " | " | | 0 |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday, March 24, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences (2nd) until 4 P.M.

Overcast raining at times barometer steady - light airs from N.E.

W. T. Newton
Lieut U.S.N.

4 to 8 A.M.

Overcast - misty or foggy - drizzling - barometer steady - Calms and variable light airs - 4 end of watch weather clearing -

W. T. Newton
Lieut U.S.N.

8 A.M. to Meridian.

Cloudy - light to gentle breeze from S.S.W.

Mustered at quarters. Absent without leave Mead M. (Sapp) J.C. Robinson (S. Corpnd) was this day discharged from this ship (2nd) the Naval Service of the United States. Two men from Construction Dept. working over the side.

The Commanding Officer adjudged the following punishments viz: (1) Cooney Jas (Private, (M.C.)) abusing visiting privileges; returning drunk - to be confined to the ship for 1 month -

Dougherty P. (Private M.C.) abusing visiting privileges - To be confined to the ship for one (1) month -

W. Ny Mason Ens'd.
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy. Light and gentle breezes from S.S.W. to S by W.

Sent down main yard, and conducted on the dock Two men from Construction and Repair Dept - plugging up holes -

C. Williams
Ensign U.S.N.

4 to 8 P.M.

Cloudy - light to gentle breze from S. One man from Construction Dept working on side -

W. Ny Mason Ens'd.
Ensign U.S.N.

8 P.M. to Midnight -

Overcast - light breze to light airs from S and S.W. by S.

W. Ny Mason Ens'd.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Norfolk,

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | S.W. by S. | 2 | | | 29-95 | 70 | 68 | 65 | | o.c. | nim. | 0 | |
| 2 | | | | " | " | 2 | | | 29-95 | 70 | 67 | 65 | | o.c.m. | " | 0 | |
| 3 | | | | " | S.W. by W. | 3 | | | 29-95 | 68 | 66 | 64 | | " | " | 0 | |
| 4 | | | | " | " | 2 | | | 29-94 | 67 | 66 | 64 | | " | " | 0 | |
| 5 | | | | " | S.W. | 2 | | | 29-95 | 67 | 66 | 64 | | b. | cir. cum. st. | 5 | |
| 6 | | | | " | " | 1 | | | 29-95 | 66 | 66 | 64 | | " | " | 5 | |
| 7 | | | | " | " | 1 | | | 29-94 | 67 | 65 | 63 | | " | " | 4 | |
| 8 | | | | " | " | 1 | | | 29-98 | 67 | 66 | 63 | | " | " | 3 | |
| 9 | | | | " | " | 1 | | | 29-98 | 67 | 66 | 63 | | o.c.g. | cum nim. | 0 | |
| 10 | | | | " | " | 1 | | | 29-98 | 69 | 67 | 64 | | o.c.d.g. | " | 0 | |
| 11 | | | | " | West | 1 | | | 30-03 | 69 | 66 | 64 | | o.c.g. | " | 0 | |
| Noon. | | | | " | N. by E. | 2 | | | 30.03 | 68 | 63 | 59 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 268 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1148 "

Coal consumed during the preceding 24 hours, tons 800 lbs.

Coal remaining on hand at Noon, 11 " 1753 "

| P. M. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South | N. E. | 1 | 30-04 | 71 | 61 | 58 | o.c.g. | cum nim. | 0 | | | | |
| 2 | | " | East | 2 | 30-03 | 68 | 58 | 55 | " | " | 0 | | | | |
| 3 | | " | " | 2 | 30-03 | 71 | 58 | 55 | o.c.m. | " | 0 | | | | |
| 4 | | " | " | 1 | 30-03 | 71 | 56 | 53 | " | nim. | 0 | | | | |
| 5 | | " | " | 2 | 30-03 | 71 | 55 | 53 | " | " | 0 | | | | |
| 6 | | " | " | 2 | 30-02 | 74 | 55 | 53 | " | " | 0 | | | | |
| 7 | | " | " | 2 | 30-02 | 75 | 55 | 53 | " | " | 0 | | | | |
| 8 | | " | " | 3 | 30-02 | 73 | 54 | 52 | " | " | 0 | | | | |
| 9 | | " | " | 3 | 30-01 | 73 | 52 | 51 | " | " | 0 | | | | |
| 10 | | " | " | 3 | 30-00 | 73 | 51 | 50 | " | " | 0 | | | | |
| 11 | | " | " | 3 | 30-01 | 73 | 51 | 50 | " | " | 0 | | | | |
| Mid. | | " | " | 3 | 30-00 | 69 | 52 | 51 | " | " | 0 | | | | |

under the command of W. H. Mead, Commander, U. S. Navy,
Saturday, March 25, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast and warm, light to gentle breeze from S.W. by S and S.W. by W.

W. Ry Mason Jnd.
Ensign U.S.N.

4 to 8 A.M.
Cloudy, light breeze to light airs from S.W.

W. Ry Mason Jnd.
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy - Light airs and breezes from S.W., West and N. by E.

C.M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Overcast - Misty and raining last two hours. Light airs to light breeze from N.E. and East - Sent sailing launch, 2 Cutter and dinghy to boat shed and hoisted them on the dock - U.S.S. San Francisco came out of the dry dock and hauled alongside the wharf ahead of this ship. Pay Clerk W.W. Dean left the ship on 48 hours leave. Started distilling -

F. J. Prime
Lieut. U.S.N.
East

4 to 8 P.M.
Cloudy and raining - Light breeze from Distilling.

C.M. Stone
Ensign U.S.N.
East -

8 P.M. to Midnight.
Cloudy and raining, Gentle breeze from Distilling -

W. C.M. Stone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lewis - Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | East. | 3 | | | 30-00 | 67 | 51 | 50 | | o.c.N. | nim. | 0 | |
| 2 | | | | " | " | 3 | | | 30-00 | 67 | 51 | 50 | | " | " | 0 | |
| 3 | | | | " | N.E. | 3 | | | 30-02 | 66 | 51 | 49 | | o.c.d | " | 0 | |
| 4 | | | | " | | 3 | | | 30-02 | 65 | 49 | 47 | | o.c. | " | 0 | |
| 5 | | | | " | | 3 | | | 30-02 | 65 | 49 | 47 | | " | " | 0 | |
| 6 | | | | " | | 3 | | | 30-05 | 64 | 48 | 46 | | " | " | 0 | |
| 7 | | | | " | | 2 | | | 30-08 | 63 | 48 | 46 | | " | " | 0 | |
| 8 | | | | " | N.E. by E | 2 | | | 30-11 | 69 | 48 | 47 | | " | " | 0 | |
| 9 | | | | " | " | 2 | | | 30-11 | 68 | 48 | 47 | | " | " | 0 | |
| 10 | | | | " | N.N.W. | 2 | | | 30-15 | 71 | 50 | 48 | | " | " | 0 | |
| 11 | | | | " | " | 2 | | | 30-16 | 67 | 50 | 48 | | " | " | 0 | |
| Noon. | | | | " | North | 2 | | | 30-17 | 70 | 57 | 49 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 252 gallons.

Water distilled during the preceding 24 hours, 21 44 "

Water remaining on hand fit for use at Noon, 3040 "

Coal consumed during the preceding 24 hours, 1 tons 780 lbs.

Coal remaining on hand at Noon, 10 " 973 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South | E.N.E. | 3 | 30-16 | 70 | 50 | 48 | o.c.w. | nim | | 0 |
| 2 | | " | " | 3 | 30-16 | 74 | 50 | 48 | " | " | | 0 |
| 3 | | " | N.N.E. | 3 | 30-15 | 67 | 51 | 49 | " | " | | 0 |
| 4 | | " | " | 3 | 30-15 | 65 | 51 | 49 | | " | | 0 |
| 5 | | " | N.E. by N. | 2 | 30-17 | 72 | 52 | 49 | o.c. | St. Nim. | | 0 |
| 6 | | " | " | 2 | 30-17 | 69 | 51 | 49 | " | " | | 0 |
| 7 | | " | E.N.E. | 2 | 30-17 | 71 | 51 | 48 | " | " | | 0 |
| 8 | | " | " | 2 | 30-17 | 69 | 50 | 47 | o.c.q. | " | | 0 |
| 9 | | " | N.E. | 2-3 | 30-17 | 68 | 48 | 45 | " | " | | 0 |
| 10 | | " | " | 2-3 | 30-18 | 66 | 47 | 44 | " | " | | 0 |
| 11 | | " | " | 3-4 | 30-18 | 68 | 47 | 44 | " | " | | 0 |
| Mid. | | " | " | 3-5 | 30-17 | 67 | 44 | 47 | " | " | | 0 |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday March 26, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences AM until 4 A.M.
Overcast - cloudy and raining. Gentle breeze from East and N.E.

W. F. Worden
Lieut. U.S.N.

4 to 8 A.M.
Overcast AM cloudy - Gentle to light breeze from N.E. To N.E. by E.

W. F. Worden
Lieut. U.S.N.

8 A.M. to Meridian.
Cloudy - Light breeze from N.E. by E. to N.N.W. and North - Mustered and inspected at quarters at 9.30, M. J. Meade, Sea Apprentice (1st class) absent without leave.

W. F. Worden
Lieut. U.S.N.

Meridian to 4 P.M.
Overcast - barometer steady - gentle breeze from E.N.E. Stopped distilling - Discharged Nicholas Gilroy (1.c.F.) from the U.S. Naval Service.

W. T. Newton
Lieut. U.S.N.

4 to 8 P.M.
Cloudy and raw - Light breeze from N.N.E. to E.N.E.

W. F. Worden
Lieut. U.S.N.

8 P.M. to Midnight.
Cloudy and cold - Light breeze from N.E. with light squalls.

W. F. Worden
Lieut. U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,
Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | South | N.E. | 3 | | | 30-17 | 64 | 48 | 44 | | o.c. | str. nim. | 0 | |
| 1 | | | | " | " | 3 | | | 30-16 | 61 | 47 | 44 | | " | " | 0 | |
| 2 | | | | " | " | 3 | | | 30-16 | 60 | 47 | 44 | | " | " | 0 | |
| 3 | | | | " | " | 3 | | | 30-16 | 60 | 48 | 45 | | " | " | 0 | |
| 4 | | | | " | " | 3 | | | 30-12 | 57 | 46 | 43 | | " | " | 0 | |
| 5 | | | | " | " | 3 | | | 30-12 | 51 | 47 | 44 | | " | " | 0 | |
| 6 | | | | " | " | 3 | | | 30-13 | 56 | 46 | 44 | | hc | " | 2 | |
| 7 | | | | " | " | 3 | | | 30-19 | 71 | 47 | 43 | | o.c. | " | 0 | |
| 8 | | | | " | " | 3 | | | 30-18 | 69 | 46 | 44 | | " | " | 0 | |
| 9 | | | | " | " | 3 | | | 30-18 | 68 | 47 | 44 | | " | " | 0 | |
| 10 | | | | " | " | 3 | | | 30-18 | 72 | 48 | 45 | | " | " | 0 | |
| 11 | | | | " | " | 3 | | | 30-17 | 71 | 48 | 45 | | " | " | 0 | |
| Noon. | | | | | | | | | | | | | | | | | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 242 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2798 "

Coal consumed during the preceding 24 hours, tons 1110 lbs.

Coal remaining on hand at Noon, 9 " 2113 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South. | N.E. | 4 | 30-15 | 71 | 50 | 46 | o.c. | str. nim. | 1 | |
| 2 | " | " | 4 | 30-15 | 71 | 49 | 45 | " | cum. str. nim. | 0 | |
| 3 | " | " | 3 | 30-13 | 67 | 50 | 46 | " | " | 0 | |
| 4 | " | " | 3 | 30-13 | 71 | 49 | 45 | " | cum. nim. | 0 | |
| 5 | " | " | 3 | 30-13 | 69 | 48 | 44 | " | " | 0 | |
| 6 | " | " | 3 | 30-14 | 69 | 47 | 44 | " | " | 0 | |
| 7 | " | " | 4 | 30-15 | 72 | 47 | 43 | " | cir. cum. str. | 0 | |
| 8 | " | " | 4 | 30-15 | 75 | 48 | 44 | " | " | 0 | |
| 9 | " | " | 2 | 30-16 | 72 | 47 | 44 | hc | cir. cum. | 3 | |
| 10 | " | " | 2 | 30-18 | 70 | 46 | 43 | " | cir. | 7 | |
| 11 | " | " | 1 | 30-18 | 65 | 45 | 42 | h | none | 10 | |
| Mid. | " | " | 1 | 30-18 | 63 | 45 | 42 | " | " | 10 | |

under the command of W. H. Mead, Commander, U. S. Navy,

Monday, March 27, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences am until 4 A.M.

Cloudy and cold - gentle breeze from N.E.

W. T. Barnes
Lieut. U.S.N.

4 to 8 A.M.

Cloudy and cold, gentle breeze from N.E.
Sent up and fitted foretopmast rigging.

W. T. Barnes
Lieut. U.S.N.

8 A.M. to Meridian.

Overcast - barometer steady - gentle breeze from N.E. Sent up Fore top mast and began sending up main topsail yard and getting up rigging for main topsail and lower main yard.

J. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Overcast and raw - moderate to gentle breeze from N.E. Sent up main topsail and main yards

W. B. Wilson Field.
Ensign U.S.N.

4 to 8 P.M.

Overcast - barometer steady - gentle to moderate breeze from N.E. Sent up fore yard and made preparations for sending up fore topsail yard

J. T. Newton
Lieut. U.S.N.

8 P.M. to Midnight.

Generally clear and pleasant - barometer steady - light breeze to light airs from N.E.

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

M. K. Lewis
Lieut. Navigator.

# LOG of the UNITED STATES

Steamer Essex, 3d Rate,
Navy Yard, Norfolk Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | N.E. | 3 | | | 30-18 | 61 | 45 | 41 | | bc. | Cir. St. | 5 | |
| 2 | | | | " | " | 2 | | | 30-17 | 60 | 44 | 41 | | " | " | 6 | |
| 3 | | | | " | " | 3 | | | 30-17 | 59 | 44 | 41 | | " | Cir. | 8 | |
| 4 | | | | " | " | 2 | | | 30-17 | 57 | 43 | 40 | | " | " | 6 | |
| 5 | | | | " | " | 3-5 | | | 30.16 | 57 | 43 | 41 | | b.c.q. | Cir. Cum. St. | 8 | |
| 6 | | | | " | " | 3 | | | 30-19 | 57 | 43 | 41 | | " | " | 7 | |
| 7 | | | | " | " | 3 | | | 30-21 | 57 | 43 | 41 | | b.c. | " | 3 | |
| 8 | | | | " | " | 3 | | | 30-27 | 70 | 45 | 43 | | " | " | 3 | |
| 9 | | | | " | N. N.E. | 3 | | | 30-31 | 67 | 47 | 44 | | " | Cum. | 7 | |
| 10 | | | | " | " | 3 | | | 30-33 | 68 | 50 | 45 | | " | " | 6 | |
| 11 | | | | " | N.E | 2 | | | 30-34 | 65 | 52 | 46 | | " | Cir. Cum. | 4 | |
| Noon. | | | | " | N. by E. | 1 | | | 30-35 | 67 | 52 | 46 | | " | " | 4 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 240 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2558 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South | N. by E | 1 | 30-35 | 70 | 53 | 47 | | b.c | cum | 4 | | |
| 2 | | " | " | 1 | 30-35 | 68 | 54 | 49 | | " | " | 5 | | |
| 3 | | " | East | 2 | 30-36 | 69 | 54 | 48 | | " | " | 7 | | |
| 4 | | " | " | 2 | 30-37 | 75 | 53 | 44 | | c | none | 10 | | |
| 5 | | " | " | 2 | 30-38 | 65 | 52 | 47 | | bc. | Cir. Cum. | 8 | | |
| 6 | | " | " | 2 | 30-40 | 71 | 50 | 45 | | " | " | 8 | | |
| 7 | | " | " | 2 | 30-43 | 74 | 49 | 44 | | " | " | 8 | | |
| 8 | | " | " | 2 | 30-44 | 74 | 47 | 44 | | c | none | 10 | | |
| 9 | | " | " | 2 | 30-45 | 72 | 46 | 42 | | " | " | 10 | | |
| 10 | | " | " | 1 | 30-46 | 70 | 45 | 42 | | " | " | 10 | | |
| 11 | | " | " | 1 | 30-45 | 60 | 45 | 42 | | " | " | 10 | | |
| Mid. | | " | " | 1 | 30-46 | 60 | 45 | 42 | | " | " | 10 | | |

under the command of W. K. Mead, Commander, U. S. Navy,
Tuesday, March 28, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences (Am) until 4 A.M.
Clear and pleasant - barometer steady - gentle to light breeze from N.E.

J. T. Newlin
Lieut U.S.N.

4 to 8 A.M.
Clear and pleasant - barometer rising - gentle to fresh breeze from N.E. Sent up fore topsail yard.

N. J. T. Newlin
Lieut. U.S.N.

8 A.M. to Meridian.
Fair and pleasant - gentle breeze to light airs from ~~N.E. to~~ N.E. ~~without~~ leave - Mustered at quarters Jas McKinnon (2nd Yr) absent Sent up and rigged topgallant masts -

W. B. Mason Field
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy - Clearing. Light airs and breezes from N. by E. and East. Finished getting rigging over topgallant mast head and sent up both topgallant masts -

C. M. Stone
Ensign U.S.N.

4 to 8 P.M.
Clear and fine. Light breeze from E. Finished reeving off running rigging.

W. B. Mason Field
Ensign U.S.N.

8 P.M. to Midnight.
Clear and fine, light breeze to light airs from E. Jas McKinnon (2nd Yr) returned from liberty 38 hours overtime -

W. B. Mason Field
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard, Norfolk Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | South | East | 1 | | | 30-46 | 55 | 43 | 40 | | b | none | 10 | |
| 1 | | | | " | " | 1 | | | 30-46 | 55 | 43 | 40 | | " | " | 10 | |
| 2 | | | | " | NE. | 1 | | | 30-46 | 54 | 43 | 40 | | bc. | Cir Cum | 9 | |
| 3 | | | | " | " | 1 | | | 30-46 | 52 | 42 | 39 | | " | " | 9 | |
| 4 | | | | " | " | 1 | | | 30-48 | 51 | 41 | 39 | | f | none | 10 | |
| 5 | | | | " | " | 2 | | | 30-50 | 51 | 41 | 38 | | " | " | 10 | |
| 6 | | | | " | " | 2 | | | 30-53 | 50 | 41 | 39 | | " | " | 10 | |
| 7 | | | | " | " | 2 | | | 30-62 | 69 | 42 | 39 | | fc. | Cir Cum | 7 | |
| 8 | | | | " | " | 3 | | | 30-62 | 71 | 44 | 40 | | " | " | 8. | |
| 9 | | | | " | " | 3 | | | 30-64 | 65 | 47 | 42 | | " | " | 9 | |
| 10 | | | | " | " | 3 | | | 30-68 | 70 | 48 | 43 | | " | " | 9 | |
| 11 | | | | " | " | 3 | | | 30-63 | 70 | 49 | 44 | | " | " | 8 | |
| Noon. | | | | | | | | | | | | | | | | | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 235 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2323 "

Coal consumed during the preceding 24 hours, tons 1660 lbs.

Coal remaining on hand at Noon, 8 " 793 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | South | NE. | 3 | | 30-68 | 70 | 49 | 44 | | bc | Cir. Cum. | 5 | |
| 2 | | " | NNE. | 4 | | 30-67 | 70 | 49 | 44 | | " | " | 6 | |
| 3 | | " | " | 4 | | 30-65 | 69 | 49 | 44 | | " | " | 6 | |
| 4 | | " | " | 4 | | 30-65 | 69 | 48 | 43 | | " | " | 5 | |
| 5 | | " | East. | 2 | | 30-64 | 69 | 46 | 42 | | bcm | " | 6 | |
| 6 | | " | E. by N. | 2 | | 30-63 | 69 | 44 | 40 | | bc | Cum. Str. | 8 | |
| 7 | | " | " | 1 | | 30-62 | 69 | 45 | 42 | | | " | 7 | |
| 8 | | " | " | 2 | | 30-62 | 70 | 45 | 42 | | | " | 7 | |
| 9 | | " | " | 1 | | 30-62 | 72 | 44 | 41 | | b | none | 10 | |
| 10 | | " | " | 1 | | 30-60 | 71 | 44 | 41 | | " | | 10 | |
| 11 | | " | " | 2 | | 30-58 | 70 | 44 | 41 | | bc | Cir. Cum. | 8 | |
| Mid. | | " | " | 2 | | 30-55 | 69 | 43 | 40 | | " | " | 8 | |

under the command of W. W. Mead, Commander, U. S. Navy,

Wednesday, March 29, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences (AM) until 4 A.M.
Clear, light airs from E and N.E.
W. Ry Mason 2nd Asst.
Ensign U.S.N.

4 to 8 AM.
Clear, light airs to light breeze from N.E.
Rousing up sheet and bower chains.
W. Ry Mason 2nd Asst.
Ensign U.S.N.

8 A.M. to Meridian.
Clear and pleasant - Gentle breezes from N.E. Finished port chain and starboard bower and sheet Chains and restowed them - Brought down one suit of sails and stowed them below. At 11 30 went to fire quarters in the yard and also on board - Sent an officer to report to Captain of the Yard.
C. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Partly cloudy and cool - Gentle to moderate breeze from N.E. to N.N.E. Bent spanker. Two men from Construction Dept. at work on board.
W
Lieut U.S.N.

4 to 8 PM.
Fair - Light airs and breezes from East and Ely N. Took on board from St. Helena - all of our solid shot, unfilled shell small arm ammunition, fuzes and primers. Two men from Con & repair at work on board.
C. M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant - Light airs and breezes from E by N.
C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

A. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Navy Yard, Norfolk Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South. | East | 1 | | | 30-37 | 60 | 43 | 41 | | b | cirro | 10 | |
| 2 | | | | " | N.E. by N. | 2 | | | 30-50 | 60 | 43 | 40 | | " | " | 10 | |
| 3 | | | | " | " | 2 | | | 30-45 | 58 | 41 | 39 | | " | " | 10 | |
| 4 | | | | " | N. | 2 | | | 30-43 | 46 | 40 | 38 | | " | " | 10 | |
| 5 | | | | " | " | 1 | | | 30-40 | 55 | 39 | 38 | | b.c. | cir. | 9 | |
| 6 | | | | " | " | 1 | | | 30-40 | 54 | 40 | 38 | | " | " | 9 | |
| 7 | | | | " | " | 1 | | | 30-39 | 54 | 41 | 39 | | " | " | 9 | |
| 8 | | | | " | " | 1 | | | 30-40 | 68 | 42 | 40 | | " | " | 9 | |
| 9 | | | | " | " | 1 | | | 30-37 | 66 | 46 | 43 | | " | " | 8 | |
| 10 | | | | " | N.W. | 2 | | | 30-34 | 69 | 51 | 47 | | " | " | 8 | |
| 11 | | | | " | " | 2 | | | 30-34 | 66 | 53 | 49 | | " | " | 8 | |
| Noon. | | | | " | " | 2 | | | 30-31 | 70 | 55 | 51 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 240 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2083 "

Coal consumed during the preceding 24 hours, tons 12 6 0 lbs.

Coal remaining on hand at Noon, 7 " 17 73 "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South | S. by W. | 1 | 30-28 | 70 | 55 | | b.c. | cir cum str. | 7 |
| 2 | " | South | 1 | 30-19 | 71 | 59 | | " | " | 7 |
| 3 | " | S.W. | 1 | 30-14 | 70 | 59 | | " | " | 8 |
| 4 | " | East | 1 | 30-10 | 69 | 61 | | " | cir cum | 6 |
| 5 | " | " | 1 | 30-05 | 68 | 61 | | " | " | 6 |
| 6 | " | S.E. | 1 | 30-02 | 67 | 58 | | " | " | 6 |
| 7 | " | S.S.E. | 1 | 30-00 | 72 | 56 | | " | cir cum str. | 4 |
| 8 | " | " | 1 | 30-03 | 72 | 55 | | " | " | 5 |
| 9 | " | S.S.W. | 1 | 30-02 | 72 | 54 | | " | " | 6 |
| 10 | " | S.W. | 1 | 30-02 | 71 | 52 | | b | none | 10 |
| 11 | " | " | 1 | 30-01 | 71 | 51 | | " | " | 10 |
| Mid. | " | " | 1 | 30-00 | 67 | 50 | | b.c. | cum | 9 |

under the command of W. H. Mead, Commander, U. S. Navy,

Thursday, March 30, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light airs and breezes from East and N.E. by N.

C. M. Cowdrey
Ensign U.S.N.

4 to 8 A.M.

Clear and pleasant. Light airs from North

C. M. Cowdrey
Ensign U.S.N.

8 A.M. to Meridian

Clear, fine weather, cool, Light airs to light breeze from N to N.N.W. At 9.30 mustered at quarters. Four men from Construction dept., on board. Sent Marine Guard to the barracks for drill. Crew engaged restowing shot, shell and ammunition lockers. E. Edwards (Oiler) reported the expiration of his term of enlistment. Received 5 3/2 gals. lamp oil in Equip. dept. 5 gal. linseed oil. 50 lbs lamp black and 1/2 gal Japan dryer in Construction and Repair.

W. F. Harrison
Lieut. U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Barometer falling. Light airs from N. by W. and N. Two men from Construction caulking outside. Received on board the high explosives, and commenced receiving powder and loaded shell.

J. J. Newton
Lieut. U.S.N.

4 to 8 P.M.

Fair and pleasant. Light airs from East to S.S.E. Received on board powder and loaded shell.

W. F. Harrison
Lieut. U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light airs from S.S.W. and S.W.

W. F. Harrison
Lieut. U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard, Norfolk. Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | South | S.W. | 2 | | | 30-00 | 67 | 51 | 46 | | bc. | cir. str. | 9 | |
| 2 | | | | " | " | 1 | | | 29-99 | 64 | 52 | 44 | | " | " | 9 | |
| 3 | | | | " | " | 1 | | | 29-98 | 63 | 51 | 47 | | " | " | 8 | |
| 4 | | | | " | " | 1 | | | 29-99 | 61 | 51 | 47 | | " | " | 7 | |
| 5 | | | | " | N.W. | 2 | | | 30-01 | 58 | 51 | 47 | | bcm. | cir. cumm. str. | 5 | |
| 6 | | | | " | " | 1 | | | 30-02 | 58 | 51 | 48 | | " | " | 5 | |
| 7 | | | | " | N. by W. | 1 | | | 30-08 | 58 | 52 | 49 | | " | " | 6 | |
| 8 | | | | " | North | 1 | | | 30-13 | 67 | 53 | 49 | | " | cir. cumm. | 7 | |
| 9 | | | | " | N. by E. | 1 | | | 30-15 | 68 | 55 | 51 | | " | " | 8 | |
| 10 | | | | " | North | 2 | | | 30-18 | 65 | 57 | 52 | | b | none | 10 | |
| 11 | | | | N.N.W. | " | 2 | | | 30-18 | 69 | 56 | 50 | | bc | cir. cumm. str. | 5 | |
| Noon. | | | | " | " | 1 | | | 30-17 | 67 | 57 | 52 | | " | " | 4 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 224 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1859 "

Coal consumed during the preceding 24 hours, tons 5346 lbs.

Coal remaining on hand at Noon, 7 " 1433 "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | N.N.W. | North | 1 | 30-16 | 68 | 58 | 53 | bc | cir. cumm. | 4 | | |
| 2 | " | " | 1 | 30-15 | 69 | 60 | 55 | " | " | 6 | | |
| 3 | " | Calm | 0 | 30-11 | 70 | 62 | 56 | " | cumm. str. | 9 | | |
| 4 | " | " | 0 | 30-09 | 70 | 64 | 57 | " | " | 9 | | |
| 5 | " | S.E. | 2 | 30-08 | 67 | 64 | 57 | " | " | 7 | | |
| 6 | " | " | 2 | 30-09 | 67 | 64 | 57 | " | " | 7 | | |
| 7 | " | S.S.E. | 2 | 30-07 | 68 | 57 | 52 | " | cir. cumm. | 4 | | |
| 8 | " | " | 2 | 30-07 | 72 | 56 | 51 | " | cir. cumm. str. | 2 | | |
| 9 | " | S.W. | 2 | 30-07 | 74 | 56 | 51 | " | str. | 2 | | |
| 10 | " | " | 3 | 30-07 | 70 | 55 | 51 | " | " | | | |
| 11 | " | " | 3 | 30-04 | 70 | 55 | 51 | " | " | 1 | | |
| Mid. | " | " | 2 | 30-02 | 65 | 54 | 50 | " | " | 2 | | |

under the command of W. W. Mead, Commander, U. S. Navy,

Friday, March 31, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Mmtd 4 A.M.
Clear and pleasant. Light breeze to light airs from S.W.

W. T. Harris
Lieut. U.S.N.

4 to 8 A.M.
Partly cloudy - pleasant weather - Light breeze to light airs from N.W. to North. Hauled chains taste on shore, run lines and made preparations for moving the ships.

W. T. Harris
Lieut. U.S.N.

8 A.M. to Meridian.
Clear and pleasant - barometer rising - light airs and light breeze from N. by E. and N.N.E. Shifted berth - Rigged out jib boom.

W. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.
Fair to clear, light airs from N. and Calms. Setting up rigging & gibboom.

W. Ry Hamilton
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. Barometer steady - light airs from N.E. and E.S.E. Finished setting up head rigging.

W. T. Newton
Lieut U.S.N.

8 P.M. to Midnight.
Cloudy and pleasant barometer falling slowly. Light to gentle breeze from S.W.

W. T. Newton
Lieut U.S.N.

Approved
W. W. Mead
Comdr. U.S.N.
Comdg.

Examined and found to be correct.

E. K. Curtis
Lieut. Navigator.

# LOG of the UNITED STATES , Rate,

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | S.S.W. | 3 | | | 30-00 | 65 | 54 | 51 | | fc | fe Cum. | 3 | |
| 2 | | | | " | " | 2 | | | 29-98 | 65 | 55 | 52 | | | " | 1 | |
| 3 | | | | " | " | 2 | | | 29-96 | 64 | 54 | 51 | | | | 3 | |
| 4 | | | | " | " | 2 | | | 29-95 | 64 | 54 | 51 | | | | 4 | |
| 5 | | | | " | " | 2 | | | 29-94 | 64 | 54 | 51 | | | | 3 | |
| 6 | | | | " | " | 2 | | | 29-94 | 60 | 54 | 51 | | Cum. | Cum. Nim. | 4 | |
| 7 | | | | " | " | 2 | | | 29-93 | 59 | 53 | 52 | | " | " | 6 | |
| 8 | | | | " | " | 2 | | | 29-94 | 62 | 57 | 52 | | " | " | 6 | |
| 9 | | | | " | S.W. | 2 | | | 29-94 | 70 | 64 | 56 | | b.c.g. | cir. cum. | 5 | |
| 10 | | | | " | " | 3-6 | | | 29-92 | 71 | 72 | 61 | | " | " | 5 | |
| 11 | | | | " | " | 3-6 | | | 29-92 | 71 | 74 | 61 | | " | " | 6 | |
| Noon. | | | | " | " | 3-6 | | | 29-90 | 73 | 76 | 63 | | " | " | 7 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″ ; Latitude by observations of ⊙ ° ′ ″ ; Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 248 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 16 11 "

Coal consumed during the preceding 24 hours, tons 2 0 6 lbs.

Coal remaining on hand at Noon, 6 " 6 13 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | N.N.W. | S.W. | 4-6 | 29-88 | 74 | 80 | 64 | | b.c.gw. | cir. cum. cir. | | 4 | |
| 2 | | " | " | 4-6 | 29-85 | 74 | 81 | 64 | | " | " | | 3 | |
| 3 | | " | W.S.W. | 5-7 | 29-84 | 74 | 80 | 64 | | " | " | | 3 | |
| 4 | | " | " | 3-7 | 29-82 | 74 | 81 | 64 | | " | " | | 4 | |
| 5 | | " | S.W. | 4-7 | 29-79 | 74 | 81 | 64 | | " | " | | 3 | |
| 6 | | " | W.S.W. | 3-4 | 29-79 | 74 | 78 | 62 | | " | " | | 1 | |
| 7 | | " | " | 4 | 29-81 | 77 | 77 | 62 | | fc. | nim. | | 0 | |
| 8 | | " | " | 4 | 29-86 | 79 | 76 | 61 | | " | " | | 0 | |
| 9 | | " | " | 2-4 | 29-89 | 79 | 75 | 63 | | l.c.gw. | " | | 0 | |
| 10 | | " | " | 2-3 | 29-92 | 78 | 74 | 63 | | " | " | | 0 | |
| 11 | | " | " | 2 | 29-94 | 75 | 73 | 63 | | " | " | | 0 | |
| Mid. | | " | " | 1 | 29-95 | 74 | 72 | 62 | | rain | " | | 0 | |

under the command of H. H. Reed, Commander, U. S. Navy,

Saturday, April 1st, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M.

Cloudy and pleasant. barometer steady - light breeze from S.S.W.

N. J. T. Newton
Lieut. U.S.N.

4 to 8 P.M.

Cloudy and pleasant barometer steady - light breeze from S.S.W. U.S.S. San Francisco - left the yard at 7.30

N. J. T. Newton
Lieut. U.S.N.

8 P.M. to Meridian.

Fair and pleasant - light to gentle breeze in squalls from S.W. Peter Nagel (Cox) reported expiration of enlistment.

W. Ray Mason Jr.
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy. Wind blowing in squalls from gentle to very fresh breeze from W. to W.S.W. Sent working party to transfer sails from rigging loft to General Storekeepers

C. M. Stone
Ensign U.S.N.

4 to 8 P.M.

Cloudy and pleasant, gentle to very fresh breeze from S.W. and W.S.W.

W. Ray Mason Jr.
Ensign U.S.N.

8 P.M. to Midnight.

Overcast - light to moderate breeze from W.S.W.

W. Lisle Field.
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | N.N.W. | 1 | | | 29-95 | 72 | 72 | 64 | | o.c. m | nim | 0 | |
| 2 | | | | " | " | 1 | | | 29-98 | 72 | 72 | 64 | | " | " | 0 | |
| 3 | | | | " | " | 1 | | | 30-10 | 72 | 69 | 62 | | " | " | 0 | |
| 4 | | | | " | " | 1 | | | 30-12 | 71 | 65 | 62 | | " | " | 6 | |
| 5 | | | | " | " | 1 | | | 30-16 | 70 | 65 | 60 | | " | " | 0 | |
| 6 | | | | " | N.N.E | 1 | | | 30-11 | 68 | 64 | 58 | | " | " | 0 | |
| 7 | | | | " | " | 1 | | | 30-18 | 68 | 62 | 58 | | f.cm. | cum. | 2 | |
| 8 | | | | " | " | 1 | | | 30-20 | 69 | 61 | 57 | | " | " | 2 | |
| 9 | | | | " | N.E | 3 | | | 30-24 | 70 | 60 | 55 | | " | cir cum cir | 4 | |
| 10 | | | | " | " | 3 | | | 30-28 | 71 | 60 | 54 | | " | " | 8 | |
| 11 | | | | " | " | 3 | | | 30-28 | 71 | 60 | 53 | | " | " | 9 | |
| Noon. | | | | " | " | 2 | | | 30-28 | 71 | 61 | 55 | | " | " | 9 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1311 "

Coal consumed during the preceding 24 hours, tons 1340 lbs.

Coal remaining on hand at Noon, 5 " 1513 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | N.N.W. | N.E | 1 | | | 30-30 | 70 | 64 | 58 | f.cm. | cir.cum | 9 |
| 2 | | | " | " | 1 | | | 30-30 | 71 | 65 | 58 | " | " | 9 |
| 3 | | | " | " | 1 | | | 30-29 | 71 | 65 | 58 | " | " | 9 |
| 4 | | | " | " | 1 | | | 30-29 | 71 | 65 | 58 | " | " | 9 |
| 5 | | | " | " | 1 | | | 30-29 | 71 | 65 | 58 | " | " | 10 |
| 6 | | | " | East | 1 | | | 30-30 | 70 | 59 | 54 | " | " | 9 |
| 7 | | | " | S.E. | 2 | | | 30-32 | 75 | 62 | 57 | " | " | 8 |
| 8 | | | " | " | 1 | | | 30-35 | 73 | 60 | 55 | f.cm. | none | 10 |
| 9 | | | " | " | 1 | | | 30-36 | 75 | 60 | 55 | " | " | 10 |
| 10 | | | " | " | 1 | | | 30-36 | 75 | 59 | 54 | " | " | 10 |
| 11 | | | " | " | 1 | | | 30-37 | 72 | 57 | 53 | " | " | 10 |
| Mid. | | | " | " | 1 | | | 30-37 | 68 | 56 | 52 | " | " | 10 |

under the command of W. W. Mead, Commander, U. S. Navy,

Sunday April 2, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Until 4 A.M.
Overcast, light airs from W. S. W.

W. Ry Mason Jr.
Ensign U.S.N.

4 to 8 A.M.
Overcast. light airs from W.S.W. and N.E.

W. Ry Mason Jr.
Ensign U.S.N.

8 A.M. to Meridian.
Cloudy first hour. Clear and pleasant last part. Light and gentle breezes from N.E. At 9h 30m Commanding Officer inspected ship and crew at quarters. At 9h 40m called all hands to muster and published articles for government of the U.S. Navy. — Tyrrell, Jf., (O.S.) was absent without leave. W. Eldredson, (B. Maker) reported the expiration of his time. Sent Church party on shore.

O. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Misty along horizon. Light airs from N.E. E. Tyrrell (O.S.) was brought on board, 7½ hours overtime, by the Corporal from the gate. By order of Commanding Officer he was placed in double irons for attempting to smuggle liquor into the Yard. By order of Commanding Officer the rate of J. O'Donnell was changed from Landsman to Ship's Cook from March 15. 1893.

W. F. Arrison
Asst. U.S.N.

4 to 8 P.M.
Clear and pleasant. Light airs and breezes from N.E. East and S.E.

O. M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant. Light airs from S.E.

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

H. K. Lewis
Asst. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Navy Yard, Norfolk, Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | S.E. | 1 | | | 30-39 | 67 | 55 | 52 | | b.cm. | none | 10 | |
| 2 | | | | " | " | 1 | | | 30-39 | 65 | 54 | 51 | | " | " | 10 | |
| 3 | | | | " | " | 1 | | | 30-38 | 62 | 52 | 50 | | " | " | 10 | |
| 4 | | | | " | " | 1 | | | 30-37 | 60 | 52 | 49 | | " | " | 10 | |
| 5 | | | | " | " | 1 | | | 30-37 | 59 | 52 | 49 | | " | Ci Cum | 8 | |
| 6 | | | | " | " | 1 | | | 30-37 | 59 | 52 | 50 | | " | " | 8 | |
| 7 | | | | " | " | 1 | | | 30-38 | 58 | 54 | 51 | | " | " | 8 | |
| 8 | | | | " | " | 1 | | | 30-39 | 58 | 57 | 53 | | " | " | 8 | |
| 9 | | | | " | " | 2 | | | 30-38 | 68 | 60 | 56 | | b | none | 10 | |
| 10 | | | | " | S.S.E. | 2 | | | 30-38 | 70 | 64 | 59 | | " | " | 10 | |
| 11 | | | | " | " | 1 | | | 31-37 | 70 | 68 | 68 | | bc | cum | 7 | |
| Noon. | | | | " | " | 2-3 | | | 30-35 | 72 | 70 | 64 | | b.cm | Ci Cum | 5 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 224 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1088 "

Coal consumed during the preceding 24 hours, tons 1740 lbs.

Coal remaining on hand at Noon, 4 " 20 13 "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | N.N.W. | South | 2 | | 30-35 | 72 | 70 | 64 | b.cm | cum | 6 | |
| 2 | | | " | " | 2 | | 30-30 | 71 | 70 | 64 | " | " | 6 | |
| 3 | | | " | S.W. | 2 | | 30-26 | 76 | 75 | 67 | " | " | 5 | |
| 4 | | | " | " | 2 | | 30-24 | 75 | 74 | 66 | " | " | 5 | |
| 5 | | | " | " | 2 | | 30-24 | 75 | 74 | 66 | " | " | 5 | |
| 6 | | | " | " | 2 | | 30-23 | 74 | 71 | 66 | " | " | 3 | |
| 7 | | | " | S.S.E. | 2 | | 30-23 | 75 | 71 | 66 | " | " | 2 | |
| 8 | | | " | " | 1 | | 30-22 | 77 | 71 | 66 | b | none | 10 | |
| 9 | | | " | " | 2 | | 30-21 | 78 | 70 | 67 | b.cm | Ci. Cum. | 6 | |
| 10 | | | " | S.W. | 2 | | 30-21 | 78 | 70 | 67 | " | " | 4 | |
| 11 | | | " | " | 2 | | 30-21 | 77 | 69 | 65 | bc | Cum. Str. | 5 | |
| Mid. | | | " | " | 2 | | 30-20 | 73 | 68 | 64 | " | " | 5 | |

under the command of H. H. Mead, Commander, U. S. Navy,
Monday, April 3, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Mounti(?) A.M.
Clear and pleasant. Light airs from S.E.

C. M. Malone
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant - Light airs from S.E.

C. M. Malone
Ensign U.S.N.

8 A.M. to Meridian.
Clear overhead. Smoky - Light breeze from S.E. to S.S.E.
At 9.30 mustered at quarters. Naval Academy Steamer "Phlox" came in from Annapolis. In accordance with provisions of Chap XX, arts 795 and 796 of the Reg. for the Govt. of the Navy - approved Feby 25. 93, Martin Riley is appointed an acting Boatswain's Mate, first class, Jas McKinnon, an acting Gunner's Mate, third class, and F. Zimmerman, an acting Quartermaster, first class. from April 1. 1893.
E. Gibson (Ship's Writer) reported to expiration of his term of enlistment.

W. H. Brown
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and pleasant - barometer falling - Light breeze from S and SW. Hoisted boats. Discharged C. Gundinson (Sea) from the U.S. Naval Service.

J. J. Newton
Lieut. U.S.N.

4 to 8 P.M.
Cloudy and smoky - Light breeze from S.W. to S.S.E.
W. E. Anderson, (Boilermaker), Ernest Edwards (Oiler) C.S.C. 7171; and Peter Nagel (Coxswain) C.S.C. 1292, were discharged from this ship and the U.S. Naval Service by reason of expiration of term of enlistment. Rec'd 50 tons coal in Equipment dept.

W. H. Brown
Lieut. U.S.N.

8 P.M. to Midnight.
Partly cloudy pleasant weather - Light breeze from S.S.E. to S.W. Lightning first two hours.

W. H. Brown
Lieut. U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Navy Yard Norfolk Va.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | S.W. | 2 | | | 30-16 | 71 | 68 | 64 | | fc. | cir. cum. | 5 | |
| 2 | | | | " | " | 2 | | | 30-12 | 70 | 67 | 63 | | " | " | 5 | |
| 3 | | | | " | " | 2 | | | 30-08 | 72 | 65 | 63 | | " | " | 4 | |
| 4 | | | | " | " | 2 | | | 30-05 | 71 | 65 | 63 | | " | " | 4 | |
| 5 | | | | " | " | 2 | | | 30-02 | 70 | 65 | 63 | | " | " | 9 | |
| 6 | | | | " | South | 1 | | | 30-03 | 69 | 65 | 62 | | " | " | 5 | |
| 7 | | | | " | S.W. | 1 | | | 30-02 | 66 | 66 | 64 | | " | cir. cum. str. | 3 | |
| 8 | | | | " | S.W. by W. | 2 | | | 30-02 | 69 | 66 | 63 | | " | " | 4 | |
| 9 | | | | " | West. | 2 | | | 30-00 | 67 | 66 | 63 | | " | " | 4 | |
| 10 | | | | " | S.W. | 2 | | | 29-97 | 70 | 77 | 65 | | " | cir cum str | 5 | |
| 11 | | | | " | " | 2 | | | 29-97 | 72 | 72 | 66 | | " | " | 7 | |
| Noon. | | | | " | " | 2 | | | 29-96 | 72 | 75 | 66 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 250 gallons.

Water distilled during the preceding 24 hours, 2202 "

Water remaining on hand fit for use at Noon, 30 46 "

Coal consumed during the preceding 24 hours, 1 tons 1340 lbs.

Coal remaining on hand at Noon, 53 " 1673 "

| P. M. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | N.N.W. | West. | 3 | 29-93 | 74 | 77 | 67 | fc. cir cum 5 |
| 2 | " | " | 3 | 29-93 | 75 | 77 | 67 | " " 4 |
| 3 | " | " | 2 | 29-93 | 75 | 77 | 67 | " " 3 |
| 4 | " | " | 1 | 29-90 | 75 | 76 | 66 | " " 1 |
| 5 | " | " | 1 | 29-90 | 75 | 75 | 67 | " 1 |
| 6 | " | " | 1 | 29-90 | 75 | 75 | 67 | " cir cum str. 5 |
| 7 | " | " | 1 | 29-90 | 75 | 74 | 66 | " " 6 |
| 8 | " | " | 1 | 30-00 | 78 | 74 | 66 | " " 7 |
| 9 | " | " | 1 | 29-94 | 76 | 71 | 65 | fc none 10 |
| 10 | " | " | 1 | 29-94 | 75 | 69 | 64 | " " 10 |
| 11 | " | " | 1 | 29-94 | 72 | 68 | 63 | " " 10 |
| Mid. | " | " | 1 | 29-94 | 70 | 65 | 61 | " " 10 |

under the command of W. A. Read, Commander, U. S. Navy,

Tuesday April 4, 18 63.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.
Partly cloudy - pleasant weather - Light breeze from S.W. Barometer falling -

W. A. Rivers
Lieut U.S.N.

4 to 8 A.M.
Partly cloudy - pleasant weather - Light breeze to light airs from SW. to South - Stopped distilling

W. A. Rivers
Lieut U.S.N.

8 A.M. to Meridian
Bright and pleasant - barometer steady - light breeze from W and S.W. - Sent topsails and foresail -

J. J. Hunter
Lieut U.S.N.

Meridian to 4 P.M.
Fair and pleasant, gentle breeze to light airs from West. Painted the side and put on yard and mast covers -

W. Ny Chase Jr.
Assistant U.S.N.

4 to 8 P.M.
Generally cloudy - barometer steady - Light airs from W.

J. J. Hunter
Lieut U.S.N.

8 P.M. to Midnight
Clear and pleasant - barometer steady - Light airs from W.

J. J. Hunter
Lieut U.S.N.

Received 50 Tons Coal -

J. B. Bleecker
Actg Asst Surgeon U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut. — Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard, Norfolk Va

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | N.N.W. | N by W. | 1 | | | 29.97 | 72 | 65 | 60 | | b | none | 10 | |
| 2 | | | | " | " | 1 | | | 30-01 | 71 | 64 | 59 | | " | " | 10 | |
| 3 | | | | " | " | 2 | | | 30-06 | 69 | 63 | 56 | | " | " | 10 | |
| 4 | | | | " | " | 1 | | | 30-09 | 68 | 61 | 55 | | " | " | 10 | |
| 5 | | | | " | " | 3 | | | 30-13 | 67 | 59 | 51 | | " | " | 10 | |
| 6 | | | | " | " | 3 | | | 30-15 | 69 | 60 | 53 | | " | " | 10 | |
| 7 | | | | " | " | 2 | | | 30-19 | 69 | 60 | 53 | | " | " | 10 | |
| 8 | | | | " | " | 2 | | | 30.25 | 71 | 58 | 52 | | " | " | 10 | |
| 9 | | | | " | " | 2 | | | 30.27 | 65 | 59 | 53 | | " | " | 10 | |
| 10 | | | | " | " | 2 | | | 30.31 | 63 | 59 | 53 | | " | " | 10 | |
| 11 | | | | " | " | 2 | | | 30.31 | 69 | 61 | 54 | | " | " | 9 | |
| Noon. | | | | " | " | 2 | | | 30.31 | 70 | 61 | 55 | | " | " | 8 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, Carried over 60 gallons.

Water ——— during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, Carried over tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | N N W | N.W. | 2 | 30.30 | 66 | 58 | 53 | g | more | 7 | |
| 2 | Standing out of | N.W | | 2 | 30.29 | 65 | 56 | 52 | g | Strat | 4 | 5 |
| 3 | Norfolk Harbor | N. | | 2 | 30.28 | 64 | 57 | 53 | g | " | 4 | 5 |
| 4 | Standing out of Hampton | NE | | 3 | 30.27 | 63 | 57 | 53 | g | " | 3 | S |
| 5 | Roads | E | | 3 | 30.27 | 63 | 57 | 53 | g | " | 3 | S |
| 6 | Standing up Chesap- | " | | 3 | 30.23 | 61 | 55 | 51 | g | Cir Strat | 3 | S |
| 7 | eake Bay | " | | 3 | 30.20 | 65 | 55 | 50 | g | " | 7 | C |
| 8 | " | " | | 5 | 30.24 | 74 | 54 | 50 | g | Cir | 5 | C |
| 9 | " | " | | 5 | 30.26 | 65 | 57 | 55 | b | Strat. | 5 | S |
| 10 | " | " | | 5 | 30.23 | 65 | 54 | 53 | " | " | 5 | S |
| 11 | " | " | | 5 | 30.19 | 62 | 52 | 56 | " | " | 5 | S |
| Mid. | " | " | | 5 | 30.16 | 62 | 57 | 55 | " | " | 5 | S |

under the command of W. W. Mead, Commander, U. S. Navy,
Wednesday, April 5, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant barometer steady
Light air to light breeze from N x W.

J T Newton
Lieut. U.S.N.

4 to 8 A.M.
Clear and pleasant barometer steady. Light airs to gentle breeze from N x W.

J T Newton
Lieut U. S. N.

8 A.M. to Meridian Clear & pleasant. By order of comdg. officer the following detailings & Ston (Lamp lighter) to O.S. P. O'Donnell (Ships Cook) to Landsman C Ray (M. at A.) to Seaman F. K. Vogel (Painter) to O.S. J. McKenna (Steerers mate 3 class.) to Seaman.

Approved
W. W. Mead
Comdr Comdg

Examined and found correct -
Lt. U.S. Navy -

By order of Navy Dept. Lieut J. B. Bleecker relieved Comdr W. W. Mead in Command of this vessel with orders to proceed to Annapolis Md., under convoy of the Steamer Phlox. The following officers were detached Comdr W. W. Mead U.S.N. Lieut C. K. Curtis U.S.N. Lieut F. A. Wilner U.S.N. Lieut J. T. Newton U.S.N. Ensign W. R. M. Field U.S.N. Ensign C. M. Stone U.S.N. Surg. O. Diehl U.S.N. 1st Lieut H. C. Haines U.S.M.C. Asst. Eng. O. W. Koester U.S.N. At 9 A.M. Started fires under two boilers. At 1.40 P.M. left the wharf at Navy Yard and steamed out of Norfolk harbor. At 3.30 P.M. passed Hampton Roads and steamed out into Chesapeake Bay. Steamed up the Bay the remainder of the day and night. Weather generally pleasant, thickening in the evening - wind hauling from N.E. x W. to N.W. by N. at 4 A.M. Ed.

Examined and found to be correct.

J. B. Bleecker
Navigator.

LOG of the UNITED STATES Steamer "Essex" , Rate,

going up the Bay April 6, 1893.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | Standing up the Bay. | S by W. | 3 | | | 30.17 | 62 | 54 | 50 | | O.C | Cir. | 5 | |
| 2 | | | | " " " | " | 4 | | | 30.17 | " | " | " | | " | " | 5 | |
| 3 | | | | " " | " | 4 | | | 30.18 | 61 | " | " | | " | " | 6 | |
| 4 | | | | of Chesapeake | " | 5 | | | 30.18 | 61 | 55 | 50 | | " | " | 4 | |
| 5 | | | | " " | S. | 4 | | | 30.18 | 61 | 55 | 50 | | " | " | 3 | |
| 6 | | | | " " | " | 3 | | | 30.18 | 61 | 56 | 50 | | " | " | 2 | |
| 7 | | | | going alongside dock | N.E. | 6 | | | 30.18 | 61 | 51 | 51 | | " | " | 2 | |
| 8 | | | | Annapolis Md. and | N.E. by E. | 4 | | | 30.17 | 60 | 58 | 52 | | " | Cir. cum. | 1 | |
| 9 | | | | moored. | " | 6 | | | 30.17 | 60 | 58 | 53 | | Rain | cum. | 0 | |
| 10 | | | | | " | 6 | | | 30.20 | 63 | 56 | 52 | | Clear | " | 6 | |
| 11 | | | | | " | 6 | | | 30.29 | 64 | 55 | 51 | | " | " | 1 | |
| Noon. | | | | | " | 6 | | | 30.33 | 62 | 56 | 51 | | " | " | 2 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3046 gallons.

Water ——— during the preceding 24 hours, ——— "

Water remaining on hand fit for use at Noon, ——— "

Coal consumed during the preceding 24 hours, to 56 P.M. 7 tons 1220 lbs.

Coal remaining on hand at ~~Noon~~, 8 P.M. Transf'd to Gen Shaw Keeper 46 " 153 "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | N.E. | 5 | 30.34 | 61 | 58 | 52 | Clear | Cir. | 4 | |
| 2 | | " | 4 | 30.36 | " | " | " | " | " | | |
| 3 | | " | 4 | 30.39 | " | " | " | " | " | | |
| 4 | | " | 3 | 30.42 | " | " | " | " | " | | |
| 5 | | " | 2 | 30.45 | " | 57 | 52 | " | " | 3 | |
| 6 | | East | 5 | 30.46 | " | 57 | 47 | " | " | | |
| 7 | | " | 5 | 30.46 | 60 | 51 | 47 | " | " | | |
| 8 | | S.S.E. | 5 | 30.46 | 59 | 48 | 44 | " | " | | |
| 9 | | " | 5 | 30.46 | | 48 | 46 | Z | " | 4 | |
| 10 | | " | 6 | 30.46 | | 48 | 44 | " | " | | |
| 11 | | S.S.E. | 5 | 30.42 | | 48 | 44 | " | " | | |
| Mid. | | " | 5 | 30.42 | | 48 | 44 | " | " | | |

under the command of Lieut J. T. B. Blackburn, U. S. Navy,

Thursday April 6, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Steaming up Chesapeake Bay till 7 a. m. when ~~then~~ into Annapolis Roads and hauled alongside wharf at Naval Academy.

Engaged taking account of stores in different department during the day.

Cadets on board for instruction at 4 P. M. Weather generally pleasant, with Easterly winds and rising barometer.

Examined and found to be correct.

J. T. B. Blackburn Lt. Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

at Annapolis Md. U.S. Naval Academy

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | S. S. E. | 5 | | | 30.42 | 52 | 48 | 44 | | Cloudy | Strat. | 4 | |
| 2 | | | | | " | 5 | | | 30.42 | 52 | 46 | 42 | | " | " | " | |
| 3 | | | | | " | 5 | | | 30.52 | 52 | 43 | 40 | | " | " | " | |
| 4 | | | | | " | 5 | | | 30.54 | 52 | 43 | 40 | | " | " | " | |
| 5 | | | | | " | 4 | | | 30.48 | 52 | 44 | 42 | | " | " | " | |
| 6 | | | | | " | 4 | | | 30.48 | 52 | 44 | 42 | | " | 0 | " | |
| 7 | | | | | S. E. | 4 | | | 30.46 | 52 | 44 | 42 | | Rain | " | " | |
| 8 | | | | | E. S. E. | 4 | | | 30.45 | 52 | 44 | 42 | | " | " | 5 | |
| 9 | | | | | " | 5 | | | 30.45 | 60 | 44 | 42 | | R. | " | 5 | |
| 10 | | | | | " | 5 | | | 30.45 | 65 | 44 | 42 | | R. | " | 5 | |
| 11 | | | | | E. | 5 | | | 30.36 | 65 | 44 | 46 | | " | " | 5 | |
| Noon. | | | | | " | 5 | | | 30.36 | 68 | 48 | 46 | | " | " | 5 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | South | 5 | 30.26 | 74 | 48 | 47 | 0 | Nimbo 0 |
| 2 | | " | 2 | 30.26 | 75 | 48 | 46 | 0 | " 0 |
| 3 | | N. W. | 3 | 30.26 | 75 | 48 | 45 | 0 | " 0 |
| 4 | | South | 3 | 30.22 | 76 | 50 | 46 | 0 | " 0 |
| 5 | | S. S. W. | 4 | 30.18 | 81 | 50 | 48 | 0 | Nimbo 0 |
| 6 | | S. W. | 3 | 30.18 | 78 | 50 | 48 | 0 | " 0 |
| 7 | | West | 2 | 30.18 | 76 | 51 | 49 | 0 | " 0 |
| 8 | | " | 2 | 30.14 | 78 | 52 | 50 | 0 | " 0 |
| 9 | | S. W. | 3 | 30.14 | 71 | 52 | 49 | 0 | Nimbo 0 |
| 10 | | South | 2 | 30.12 | 64 | 51 | 50 | 0 | " 0 |
| 11 | | " | 3 | 30.10 | 60 | 50 | 49 | E. | Cumulo 2 |
| Mid. | | S. E. | 3 | 30.14 | 60 | 50 | 49 | " | " 5 |

under the command of Lieut. J. N. B. Blocker, U. S. Navy,

Friday April 7th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8. a. m —
Cloudy — stiff breeze from S. S. E.

Chas J Murphy
Master

From 8. a. m. until Midnight.
Overcast with fog and rain, light to stiff breeze from East to South. At 12-45 ceased raining — sun occasionally visible — at 2.55 light to gentle breeze from S. W. to South — At 3.05 light passing shower of rain, wind backed to S. S. W. then hauled to S. W. and to West —
Engaged taking account of stores for transfer

Samuel Lee.
Seaman.

Examined and found to be correct.

J N B Blocker
Lieut U.S.N

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

at Naval Academy, Annapolis. Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | South | 3 | | | 30.04 | 60 | 50 | 49 | | 0 | Nimb. | 0 | |
| 2 | | | | | " | 2 | | | 30 04 | 60 | 50 | 49 | | " | " | 0 | |
| 3 | | | | | " | 2 | | | 30.04 | 59 | 51 | 48 | | " | " | 0 | |
| 4 | | | | | " | 2 | | | 30 05 | 58 | 49 | 46 | | " | " | 0 | |
| 5 | | | | | West | 1 | | | 30 05 | 59 | 50 | 47 | | Cl | Cum. Strat. | 0 | |
| 6 | | | | | S.W. | 1 | | | 30 05 | 59 | 50 | 47 | | " | " | 0 | |
| 7 | | | | | " | 1 | | | 30 05 | 60 | 51 | 49 | | " | " | 0 | |
| 8 | | | | | North | 1 | | | 30 08 | 71 | 53 | 50 | | " | " | 0 | |
| 9 | | | | | North | 1 | | | 30 08 | 71 | 54 | 53 | | Cl | " | 0 | |
| 10 | | | | | S.W. | 1 | | | 30 10 | 70 | 71 | 62 | | Cl | Cum | 0 | |
| 11 | | | | | West | 2 | | | 30 13 | 70 | 71 | 62 | | Cl | " | 0 | |
| Noon. | | | | | S.W. | 2 | | | 30 10 | 70 | 73 | 63 | | Cl | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | S.W. | 2 | | | 30 06 | 70 | 75 | 64 | | Cl 0 | Cum Nimb | 0 | |
| 2 | | | | | " " | 3 | | | 30 00 | 70 | 76 | 64 | | Cl | " | 0 | |
| 3 | | | | | S.W. | 4 | | | 29.99 | 70 | 75 | 64 | | 0 | Nimb | 0 | |
| 4 | | | | | " " | 3 | | | 29 99 | 70 | 76 | 64 | | 0 | Nimb | 0 | |
| 5 | | | | | S.W. | 3 | | | 29 98 | 70 | 74 | 63 | | Cl 3 | Cum. | 0 | |
| 6 | | | | | S.W. | 2 | | | 29 98 | 70 | 71 | 62 | | Cl 3 | Cl. Cum. | 1 | |
| 7 | | | | | S.W. | 2 | | | 30 00 | 70 | 73 | 62 | | Cl 3 | " " | 2 | |
| 8 | | | | | S.W. | 2 | | | 30 02 | 70 | 75 | 62 | | Cl 3 h | | 10 | |
| 9 | | | | | S.W. | 1 | | | 30 02 | 70 | 75 | 62 | | Cl 3 | No Cl | 10 | |
| 10 | | | | | West | 1 | | | 30 04 | 70 | 72 | 60 | | 3 | Cl | 5 | |
| 11 | | | | | S.W. | 1 | | | 30 05 | 70 | 70 | 60 | | Cl 3 h | | 5 | |
| Mid. | | | | | S.W. | 1 | | | 30.08 | 70 | 69 | 59 | | Cl 3 h | | 6 | |

under the command of Lieut. J. V. B. Bleeker, U. S. Navy,

Saturday April 8th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M. Overcast. gusts to light breeze from South latter part light fog.

Samuel Lee
Mate.

From 8 A.M. to Midnight. Weather overcast, cloudy and foggy around the horizon. At 11 o'clock passing clouds. from West, light winds from S.W. & West alternately; warm and pleasant during the day. At sunset sky hazy. At 7,30 P.M. starlight, sultry weather — light winds from N.W. Latter end hazy, few stars visible overhead — very light airs from West. At close very light airs from N.W. accompanied by a sudden puff.
Engaged taking account of stores for transfer.

5

Wm. J. Smith
Mate.

Examined and found to be correct.

J. V. B. Bleeker
Lt

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

at Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | N.W. | 1 | | | 30.08 | 70 | 66 | 54 | | 3 b | | 6 | |
| 1 | | | | | N.W. | 1 | | | 30.08 | 70 | 65 | 55 | | 3 b | | 6 | |
| 2 | | | | | " " | 1 | | | 30.09 | 70 | 63 | 55 | | 3 b | | 6 | |
| 3 | | | | | N.E. | 1 | | | 30.10 | 70 | 60 | 54 | | 0 g | Nimb | 0 | |
| 4 | | | | | South | 1 | | | 30.13 | 70 | 58 | 52 | | f | Nim | 0 | |
| 5 | | | | | North | 1 | | | 30.20 | 70 | 56 | 52 | | 0 f | " | 0 | |
| 6 | | | | | N.W. | 1 | | | 30.20 | 70 | 56 | 52 | | 0 f c | Nim | 0 | |
| 7 | | | | | N.W. | 1 | | | 30.24 | 70 | 55 | 50 | | 0 r c | Cum | 0 | |
| 8 | | | | | S.E. | 1 | | | 3027 | 78 | 56 | 52 | | 0. r. c. | Nimb | 0 | |
| 9 | | | | | S.W. | 1 | | | 3026 | 78 | 60 | 52 | | 0 | " | 0 | |
| 10 | | | | | " | 1 | | | 3026 | 78 | 64 | 54 | | c | " | 8 | |
| 11 | | | | | S.E. | 1 | | | 3022 | 74 | 65 | 55 | | c | " | 3 | |
| Noon. | | | | | | | | | | | | | | | | | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | S.E. | 1 | | | 3033 | 73 | 63 | 55 | | c | cum | 3 | |
| 2 | | | | | " | 2 | | | 3030 | 68 | 65 | 56 | | " | " | 7 | |
| 3 | | | | | " | 3 | | | 3030 | 78 | 61 | 51 | | " | " | 7 | |
| 4 | | | | | South | 2 | | | 3030 | 78 | 67 | 55 | | 0 | Nimb | 7 | |
| 5 | | | | | South | 1 | | | 3031 | 78 | 65 | 54 | | 0 | Nim | 0 | |
| 6 | | | | | " | 1 | | | 3031 | 78 | 63 | 54 | | " | " | 0 | |
| 7 | | | | | " | 1 | | | 3031 | 80 | 57 | 52 | | " | " | 0 | |
| 8 | | | | | " | 1 | | | 3026 | 80 | 54 | 54 | | c | cum | 5 | |
| 9 | | | | | South | 1 | | | 3026 | 73 | 54 | 49 | | c | cum | 5 | |
| 10 | | | | | " | | | | 3026 | 72 | 54 | 49 | | " | Str | 7 | |
| 11 | | | | | N.E. | 3 | | | 3027 | 60 | 54 | 43 | | " | " | 7 | |
| Mid. | | | | | " | 4 | | | 3027 | 60 | 52 | 43 | | " | " | 9 | |

under the command of Lieut. J. N. B. Bleeker, U. S. Navy,

Sunday April 9th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8. a. m.

Hazy around the horizon, clear overhead. At 6 wind shifted to N.E. Overcast and gloomy looking weather. At 4.30 passing showers of rain alternately until close. Light airs from South to N.W.

Wm. J. Smith,
Mate.

From 8 A. M. to Midnight.

First part of the watch passing showers of rain with light airs and variable from S.E. to S.W. during the afternoon showery light airs to light breeze from S.E. to S.W. latter part wind backing to S.E. and to South.

Chas. Murphy
Master

Examined and found to be correct.

J. N. B. Bleecker
Lieut.

Navigator.

LOG of the UNITED STATES Ship Essex, , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | N. E | 2 | | | 3027 | 62 | 50 | 43 | | 0 | Nimb | | |
| 2 | | | | | " | 3 | | | 3026 | 62 | 49 | 43 | | " | " | | |
| 3 | | | | | " | 3 | | | 3026 | 62 | 49 | 43 | | " | " | | |
| 4 | | | | | " | 3 | | | 3026 | 62 | 49 | 43 | | 0. r | " | | |
| 5 | | | | | N. E. | 3 | | | 3025 | 61 | 48 | 43 | | 0 | Nimb | | |
| 6 | | | | | " | 3 | | | 3024 | 60 | 47 | 42 | | " | " | | |
| 7 | | | | | " | 3 | | | 3023 | 60 | 47 | 42 | | 0. p. r | " | | |
| 8 | | | | | " | 3 | | | 3021 | 62 | 47 | 42 | | " | " | | |
| 9 | | | | | N. E. | 2 | | | 3026 | 68 | 46 | 42 | | 0. r. | Nimb. | 0 | |
| 10 | | | | | " | 3 | | | 3026 | 67 | 44 | 42 | | " | " | 0 | |
| 11 | | | | | " | 3 | | | 3024 | 66 | 44 | 43 | | " | " | 0 | |
| Noon. | | | | | East | 3 | | | 3023 | 66 | 44 | 43 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | East | 3 | 3016 | 68 | 46 | 44 | 0. | Nimb. | 0 |
| 2 | | | N. E. | 3 | 3016 | 71 | 46 | 44 | 0. r. | " | 0 |
| 3 | | | " | 3 | 3016 | 71 | 46 | 44 | " | " | 0 |
| 4 | | | " | 3 | 3016 | 71 | 47 | 45 | " | " | 0 |
| 5 | | | N. E. | 4 | 3017 | 70 | 46 | 44 | 0 | Nimb | 0 |
| 6 | | | " | 4 | 3020 | 70 | 46 | 44 | " | " | 0 |
| 7 | | | " | 4 | 3021 | 71 | 46 | 43 | " | " | 0 |
| 8 | | | " | 4 | 3021 | 60 | 46 | 43 | " | " | 0 |
| 9 | | | N. E | 3 | 3023 | 60 | 45 | 43 | 0 | Nimb. | 0 |
| 10 | | | " | 3 | 3024 | 60 | 44 | 43 | " | " | 0 |
| 11 | | | " | 3 | 3024 | 58 | 43 | 40 | " | " | 0 |
| Mid. | | | " | 3 | 3024 | 58 | 43 | 40 | " | " | 0 |

under the command of , U. S. Navy,

Monday April 10th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A. M.
Cloudy and overcast. with passing showers of rain. and moderate breeze from the N.E.

Chas J Murphy
Master

From 8 A. M. until Midnight.
Overcast and raining. gentle to moderate breeze from N.E. to East. at 12. 15 ceased raining. during the afternoon and night. dark gloomy weather. engaged taking account of stores for transfer.

Samuel Lee
Mate.

Examined and found to be correct.

J W Bleecker Lt

*Navigator.*

LOG of the UNITED STATES Steamer Essex. , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | N. E. | 3 | | | 3024 | 60 | 43 | 40 | | 0 | Nimb. | 0 | |
| 2 | | | | | " | 3 | | | 3024 | 60 | 43 | 40 | | " | " | 0 | |
| 3 | | | | | " | 3 | | | 3024 | 58 | 42 | 40 | | " | " | 0 | |
| 4 | | | | | " | 3 | | | 3025 | 56 | 42 | 39 | | " | " | 0 | |
| 5 | | | | | N. E. | 3 | | | 3029 | 50 | 42 | 39 | | 0 | cum str | 0 | |
| 6 | | | | | " | 3 | | | 3032 | 50 | 42 | 39 | | " | " | 0 | |
| 7 | | | | | " | 3 | | | 3035 | 50 | 42 | 39 | | " | " | 0 | |
| 8 | | | | | " | 3 | | | 3038 | 54 | 46 | 42 | | " | " | 0 | |
| 9 | | | | | N. E. | 3 | | | 30 41 | 68 | 49 | 44 | | h. c | cum | 2 | |
| 10 | | | | | " " | 2 | | | 30 52 | 70 | 49 | 44 | | c h | cir. cum | 2 | |
| 11 | | | | | N. E. | 2 | | | 30 52 | 70 | 50 | 44 | | c h | cir. cum | 2 | |
| Noon. | | | | | East | 2 | | | 30 51 | 70 | 53 | 45 | | c h | cir. cum | 2 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | | East | 1 | 30.50 | 70 | 53 | 45 | c. h. cir. cum. 2 |
| 2 | | N. E. | 1 | 30.50 | 70 | 58 | 48 | c. h. cir. cum 2 |
| 3 | | South | 1 | 30.48 | 70 | 60 | 51 | c. h. cir. cum 2 |
| 4 | | N. E. | 1 | 30.48 | 70 | 54 | 49 | c cum. 0 |
| 5 | | " " | 1 | 30.49 | 70 | 55 | 49 | c cum. 0 |
| 6 | | N. E. | 1 | 30.50 | 70 | 52 | 47 | c o Nimb 0 |
| 7 | | " " | 1 | 30.50 | 70 | 51 | 45 | o Nimb 0 |
| 8 | | N. E. | 4 | 30.50 | 70 | 51 | 44 | o. c cum. 1 |
| 9 | | " " | 4 | 30.51 | 70 | 50 | 42 | c h Strat. 6 |
| 10 | | N. E. | 3 | 30.53 | 70 | 50 | 42 | c h Strat. 8 |
| 11 | | " " | 3 | 30.53 | 70 | 49 | 42 | c h " 8 |
| Mid. | | " " | 3 | 30.54 | 70 | 49 | 42 | o Nimb. 0 |

under the command of Lieut. J. V. B. Bleeker, U. S. Navy,

Tuesday April 11th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 8 A. M.

Overcast. gentle breeze from N.E. latter part clearing.

Samuel Lee.

From 8 a. m. to Midnight.

Partly cloudy light wind from N.E. hauling to East about 11 o'clock. During the afternoon light airs from East to S.E. thence South about 2 o'clock. At 8 light airs from S.E. At 5.30 overcast damp and chilly. About 6.30 Naval Cadets came on board for instruction, and left at 5.25. At 7.35 moderate breezes from S.E. At 9 clear and bright starlight overhead, cloudy around the horizon, gentle breezes. At 12 overcast. Engaged taking account of stores for transfer.

Wm. J. Smith

Mate.

Examined and found to be correct.

J. V. B. Bleeker

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd. Rate,
at Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | S. E. | 3 | | | 30 | 54 | 70 | 49 | 42 | 0 | Nimb | 0 | |
| 2 | | | | | " " | 3 | | | 30 | 54 | 70 | 49 | 41 | 0 | " | 0 | |
| 3 | | | | | S. E. | 4 | | | 30 | 51 | 70 | 47 | 41 | 0 | " | 0 | |
| 4 | | | | | " " | 4 | | | 30 | 50 | 70 | 45 | 39 | 0 | " | 0 | |
| 5 | | | | | S. E. | 3 | | | 30 | 50 | 70 | 46 | 41 | 0 c | Cumu | 0 | |
| 6 | | | | | " " | 3 | | | 30 | 50 | 70 | 48 | 43 | 0 c | " | 0 | |
| 7 | | | | | S. E. | 3 | | | 30 | 50 | 70 | 47 | 43 | 0 c | " | 0 | |
| 8 | | | | | S. East | 3 | | | 30 | 51 | 70 | 47 | 43 | 0 | Nimb. | 0 | |
| 9 | | | | | East | 2 | | | 30 | 52 | 80 | 47 | 44 | 0 | " | 0 | |
| 10 | | | | | East | 2 | | | 30 | 53 | 85 | 47 | 44 | 0 r | " | 0 | |
| 11 | | | | | East | 2 | | | 30 | 54 | 86 | 46 | 44 | 0 r | " | 0 | |
| Noon. | | | | | East | 2 | | | 30 | 55 | 84 | 46 | 43 | 0 r f | " | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | S. E. | 2 | | | 30 | 52 | 82 | 47 | 45 | 0 r f | Nimb | 0 | S |
| 2 | | | | | S. E. | 2 | | | 30 | 49 | 80 | 49 | 46 | 0 r f | " | 0 | S |
| 3 | | | | | S. E. | 2 | | | 30 | 48 | 76 | 50 | 47 | 0 r f | " | 0 | S |
| 4 | | | | | S. E. | 2 | | | 30 | 47 | 76 | 50 | 48 | 0 r f | " | 0 | S |
| 5 | | | | | S. E. | 2 | | | 30 | 46 | 80 | 50 | 47 | 0 | " | 0 | S |
| 6 | | | | | S. E. | 2 | | | 30 | 44 | 80 | 50 | 47 | 0 | " | 0 | S |
| 7 | | | | | S. E. | 2 | | | 30 | 42 | 80 | 50 | 47 | 0 | " | 0 | S |
| 8 | | | | | S. E. | 2 | | | 30 | 40 | 80 | 50 | 47 | 0 | " | 0 | S |
| 9 | | | | | S. E. | 4 | | | 30 | 39 | 76 | 50 | 47 | 0 | " | 0 | S |
| 10 | | | | | S. E. | 4/5 | | | 30 | 38 | 72 | 54 | 49 | 0 | " | 0 | S |
| 11 | | | | | S. E. | 4 | | | 30 | 37 | 70 | 50 | 44 | 0 | " | 0 | S |
| Mid. | | | | | S. E. | 4 | | | 30 | 34 | 65 | 50 | 43 | 0 | " | 0 | S |

under the command of Lieut. J. B. Bleecker, U. S. Navy,

Wednesday April 12th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8. A. M. -

Overcast, raw and damp weather, gentle to moderate breezes alternately from S. E. Overcast and cloudy, gentle breezes at close overcast.

J. L. Smith,
Mate.

From 8 A. M. until Midnight.

Weather overcast and raining with fog. and light breeze from the East. latter part overcast with light to fresh breeze from S. E. taking account of stores.

Chas. J. Murphy
Watches

Examined and found to be correct.

J. B. Bleecker

*Navigator.*

LOG of the UNITED STATES Steamer Essex. ,3rd Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | S. E. | 4 | | | 30 35 | 65 | 50 | 43 | | 0 f. | Nimb | 0 | |
| 2 | | | | | " | 4 | | | 3030 | 65 | 50 | 44 | | 0 | " | 0 | |
| 3 | | | | | " | 4/5 | | | 3029 | 65 | 52 | 44 | | " | " | 0 | |
| 4 | | | | | " | 4/5 | | | 3027 | 64 | 53 | 44 | | " | " | 0 | |
| 5 | | | | | South | 4 | | | 3026 | 60 | 54 | 48 | | 0 | Nimb. | 0 | |
| 6 | | | | | " | 3 | | | 3025 | 60 | 56 | 46 | | " | " | 0 | |
| 7 | | | | | " | 2 | | | 3024 | 60 | 56 | 48 | | " | " | 0 | |
| 8 | | | | | " | 2 | | | 3023 | 60 | 56 | 50 | | " | " | 0 | |
| 9 | | | | | South | 3 | | | 3020 | 70 | 63 | 56 | | 0 | Nimb. | 0 | |
| 10 | | | | | " | 3 | | | 3020 | 78 | 62 | 57 | | " | " | 0 | |
| 11 | | | | | S. W. | 3 | | | 3022 | 78 | 61 | 58 | | " | " | 0 | |
| Noon. | | | | | " | 3 | | | 3020 | 78 | 64 | 59 | | " | " | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | S. W. | 3 | 3019 | 80 | 67 | 60 | 0 | Numb 0 |
| 2 | | | " | 3 | 3018 | 80 | 66 | 60 | " | " 0 |
| 3 | | | " | 2 | 3016 | 78 | 66 | 60 | " | cum Str 0 |
| 4 | | | South | 3 | 3013 | 75 | 65 | 59 | " | " 0 |
| 5 | | | S. E. | 3 | 3009 | 72 | 60 | 56 | 0 | cum Str 0 |
| 6 | | | " | 1 | 3008 | 71 | 60 | 56 | h.c. | " 1 |
| 7 | | | South | 1 | 3008 | 71 | 59 | 56 | " | " 1 |
| 8 | | | S. W. | 1 | 3008 | 71 | 66 | 54 | " | Str 4 |
| 9 | | | S. E | 2 | 3008 | 71 | 56 | 54 | h.c. | Str 9 |
| 10 | | | " | 2 | 3009 | 68 | 53 | 52 | " | " 9 |
| 11 | | | South | 2 | 3010 | 66 | 54 | 52 | " | " 9 |
| Mid. | | | " | 2 | 3011 | 64 | 54 | 50 | " | " 8 |

under the command of Lieut J. W. B. Blocker, U. S. Navy,

Thursday April 13th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M. Weather overcast with fresh breez to light from S.E. to South.

Chas F. Murphy
Master

From 8 A.M. until Midnight. Overcast gentle breez to light air from South to S.W. at 11.30 light passing shower of rain. from 7.30 clear. taking account of stores for transfer. Paymaster. W. W. Barry. and Pay Clerk Dan. were detached from the ship.

Samuel Lee
Mate.

Examined and found to be correct.

J. W. B. Blocker
Lt.

*Navigator.*

LOG of the UNITED STATES Steamer Essex, 3rd. Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | South | 2 | | | 30.09 | 64 | 54 | 51 | | b. c. | Str | 8 | |
| 2 | | | | | " | 2 | | | 30.06 | 64 | 54 | 51 | | " | " | 8 | |
| 3 | | | | | " | 2 | | | 30.04 | 64 | 54 | 51 | | , | " | 8 | |
| 4 | | | | | " | 3 | | | 30.00 | 62 | 54 | 51 | | b. c. f. | " | 2 | |
| 5 | | | | | South | 2 | | | 30.00 | 64 | 62 | 54 | | b. c. f. | cum Str | 0 | |
| 6 | | | | | " | 2 | | | 29.99 | 66 | 62 | 56 | | b. c | " | 1 | |
| 7 | | | | | " | 3 | | | 29.99 | 68 | 60 | 57 | | 0 | " | 0 | |
| 8 | | | | | " | 3 | | | 29.99 | 67 | 56 | 54 | | " | " | 0 | |
| 9 | | | | | South | 3 | | | 29.99 | 64 | 56 | 55 | | 0 | Cum Strat | 0 | |
| 10 | | | | | S.E. | 3 | | | 30.00 | 64 | 60 | 54 | | 0 | Nimb. | 0 | |
| 11 | | | | | S.E. | 3 | | | 30.02 | 64 | 62 | 54 | | 0 c | cum. | 0 | |
| Noon. | | | | | South | 4 | | | 29.99 | 62 | 64 | 58 | | c | cir. Strat | 5 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South | 4 | 29.96 | 70 | 68 | 60 | c | Cum | 0 | |
| 2 | " | 4 | 29.90 | 70 | 70 | 60 | c | cum. | 1 | |
| 3 | S.W. | 4 | 29.88 | 70 | 75 | 64 | c g | Cum. | 0 | |
| 4 | S.W. | 4 | 29.84 | 70 | 75 | 64 | c | Cum. | 0 | |
| 5 | " " | 3 | 29.82 | 70 | 70 | 63 | c | Cum. | 0 | |
| 6 | S.W. | 2 | 29.80 | 70 | 65 | 58 | c | Cum. | 0 | |
| 7 | " " | 1 | 29.80 | 70 | 65 | 60 | 0 | Nimb. | 0 | |
| 8 | West | 1 | 29.79 | 70 | 65 | 60 | 0 g | Nimb. | 0 | |
| 9 | — | — | 29.79 | 70 | 65 | 60 | 0 g | Nimb. | 0 | |
| 10 | N.W. | 1 | 29.79 | 70 | 64 | 60 | 0 b | Nimb. | 0 | |
| 11 | N.W. | 1 | 29.81 | 70 | 62 | 58 | 0 b | Nimb. | 0 | |
| Mid. | N.W. | 1 | 29.82 | 70 | 62 | 58 | 0 c | cum. | 0 | |

under the command of Lieut. J. B. Blocker, U. S. Navy,

Friday April 14th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M. Clear light to gentle breeze from Sault.
from 2.30 to 5.30 light fog.

Samuel Lee
Mate.

From 8 A. M. to Midnight.
Overcast and cloudy at times — gentle to moderate breeze from S.E. hauling to South. During the afternoon passing clouds from West At 2.45 moderate squall from S.W. sun occasionally visible, weather sultry. Naval Cadets come on board for P. M. instruction in Seamanship at 4.15 and left at 5.25. At 9 overcast and dark — Weather, very light airs from West. Latter end passing showers of rain, alternately very light airs from N.W. with dark clouds.

Wm J. Smith
Mate.

Examined and found to be correct.

J. B. Blocker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Naval Academy. Annapolis. Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | Calm | 0 | | | 29 81 | 70 | 58 | 56 | | 0 r | Nim. | 0 | 8 |
| 2 | | | | | N.E. | 2 | | | 29 80 | 71 | 58 | 56 | | 0 r f | Nim. | 0 | 8 |
| 3 | | | | | N.E. | 3 | | | 29 78 | 70 | 56 | 52 | | 0 r f | Nim. | 0 | 8 |
| 4 | | | | | N.E. | 4 | | | 29 73 | 69 | 54 | 51 | | 0 r m | Nim. | 0 | 8 |
| 5 | | | | | N.E. | 3 | | | 29 73 | 70 | 53 | 51 | | r | Nim. | 0 | |
| 6 | | | | | N.E. | 2 | | | 29 71 | 70 | 53 | 51 | | r | Nim. | 0 | |
| 7 | | | | | " " | 3 | | | 29 77 | 70 | 53 | 50 | | f g | Nim. | 0 | |
| 8 | | | | | N.W. | 4 | | | 29 79 | 70 | 52 | 49 | | c | Cum. | 0 | |
| 9 | | | | | " | 4 | | | 29 80 | 72 | 52 | 49 | | c | Strat. | 3 | S |
| 10 | | | | | " | 4/5 | | | 29 85 | 76 | 54 | 48 | | h.c. | Strat | 7 | S |
| 11 | | | | | " | 5 | | | 29 90 | 77 | 56 | 47 | | h. c | Strat. | 8 | S |
| Noon. | | | | | " | 6 | | | 29 96 | 78 | 58 | 46 | | h. c | Strat. | 8 | R |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | N.W. | 6 | | | 30.05 | 82 | 56 | 46 | | h c. | Strat | 8 | |
| 2 | | | | | N.W. | 6 | | | 30.10 | 80 | 54 | 42 | | h.c | " | 10 | |
| 3 | | | | | N.W. | 6 | | | 30.15 | 78 | 52 | 40 | | h.c | " | 10 | |
| 4 | | | | | N.W. | 6 | | | 30.18 | 78 | 48 | 39 | | h c. | " | 10 | |
| 5 | | | | | N.W. | 6 | | | 30.26 | 80 | 48 | 39 | | h.c, | " | 10 | |
| 6 | | | | | N.W. | 6 | | | 30.22 | 82 | 48 | 39 | | h.c. | " | 10 | |
| 7 | | | | | N.W. | 4 | | | 30.21 | 75 | 44 | 35 | | h.c. | Nimb. | 2 | |
| 8 | | | | | W.W. | 3 | | | 30.21 | 75 | 43 | 35 | | c | Nimb. | 2 | |
| 9 | | | | | N.W. | 3 | | | 30.24 | 71 | 43 | 35 | | c | Cum. | 3 | |
| 10 | | | | | N.W. | 3 | | | 30.23 | 65 | 43 | 35 | | c | Strat | 5 | |
| 11 | | | | | West | 3 | | | 30.24 | 60 | 44 | 35 | | c | Strat | 6 | |
| Mid. | | | | | West | 3 | | | 30.26 | 58 | 44 | 35 | | c | Strat. | 5 | |

under the command of Lieut. J. V. B. Blocker, U. S. Navy,

Saturday April 15th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Continuous rain with calm, then light to moderate breezes from N. E. At 7 rain squall from N.W. At close cloudy and gentle breezes from N.E., raw and chilly. Using Barometer.

Wm. J. Smith
Mate.

From 8 A.M. to Midnight.

Passing clouds with fresh breezes from N.W. Naval cadets on board for drill & transfering stores. Chief Eng. H. L. Rose was detached from the ship.

Chas. J. Murphy
Watch

Examined and found to be correct.

J. V. B. Blocker
Lt.

*Navigator.*

LOG of the UNITED STATES Ship Essex. , 3rd Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | West | 3 | | | 30.26 | 54 | 42 | 34 | | c | St | 5 | S |
| 2 | | | | | " | 3 | | | 30.27 | 54 | 41 | 34 | | " | " | 5 | S |
| 3 | | | | | " | 3 | | | 30.27 | 54 | 41 | 34 | | l. c. | " | 8 | S |
| 4 | | | | | " | 3 | | | 30.28 | 54 | 40 | 34 | | " | " | 8 | S |
| 5 | | | | | N. W. | 3 | | | 30.28 | 54 | 43 | 34 | | l. | — | 10 | S |
| 6 | | | | | North | 3 | | | 30.29 | 53 | 44 | 35 | | " | — | 10 | S |
| 7 | | | | | " | 3 | | | 30.30 | 52 | 44 | 35 | | " | — | 10 | S |
| 8 | | | | | " | 4 | | | 30.30 | 52 | 44 | 35 | | " | — | 10 | S |
| 9 | | | | | North | 3 | | | 30.33 | 68 | 47 | 39 | | l. c. | St | 9 | |
| 10 | | | | | " | 2 | | | 30.33 | 70 | 50 | 42 | | " | " | 9 | |
| 11 | | | | | East | 2 | | | 30.34 | 73 | 52 | 44 | | " | cir St | 7 | |
| Noon. | | | | | " | 3 | | | 30.34 | 76 | 56 | 46 | | " | " | 7 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | East | 3 | | | 30.30 | 76 | 54 | 46 | | l. c. | cum | 8 | |
| 2 | | | | | " | 3 | | | 30.30 | 76 | 51 | 43 | | " | " | 8 | |
| 3 | | | | | S. E. | 3 | | | 30.30 | 79 | 53 | 44 | | " | " | 8 | |
| 4 | | | | | " | 3 | | | 30.30 | 78 | 52 | 44 | | " | cir cum | 7 | |
| 5 | | | | | S. E. | 2 | | | 30.30 | 77 | 52 | 44 | | l. c | cir cum | 8 | |
| 6 | | | | | " | 2 | | | 30.30 | 75 | 51 | 44 | | " | cir St | 6 | |
| 7 | | | | | " | 2 | | | 30.29 | 73 | 50 | 44 | | " | " | 7 | |
| 8 | | | | | S. W. | 1 | | | 30.28 | 71 | 50 | 44 | | " | " | 4 | |
| 9 | | | | | S. W. | 1 | | | 30.27 | 68 | 46 | 44 | | l. c. | St | 8 | |
| 10 | | | | | Calm | 0 | | | 30.26 | 61 | 46 | 43 | | " | " | 8 | |
| 11 | | | | | S. E. | 1 | | | 30.26 | 60 | 45 | 42 | | " | " | 7 | |
| Mid. | | | | | " | 2 | | | 30.26 | 60 | 45 | 41 | | " | " | 6 | |

under the command of Lieut. J. V. B. Blecker, U. S. Navy,

Sunday April 16th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 8 A.M. Passing clouds with a moderate to light breeze from the West. to N.W. to North. latter part clear light to moderate breeze from N.W. to North.

Chas J Murphy
Midshipman

From 8 A.M. until Midnight. Clear and pleasant light breeze to light air and variable from N.W. to N.E. at 11 moderate to light breeze from East. hauling to S.E. from 8.30 P.M. calm and light air to light breeze from S.E.

Samuel Lee
Mate.

Examined and found to be correct.

J V B Blecker Lt

*Navigator.*

LOG of the UNITED STATES Ship. Essex. , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | West | 1 | | | 30.26 | 60 | 45 | 39 | | b. | — | 10 | |
| 2 | | | | | " | 1 | | | 30.26 | 60 | 45 | 39 | | " | — | 10 | |
| 3 | | | | | " | 1 | | | 30.26 | 60 | 45 | 39 | | " | — | 10 | |
| 4 | | | | | " | 1 | | | 30.26 | 60 | 45 | 39 | | b. c | Str | 2 | |
| 5 | | | | | North | 0-1 | | | 30.25 | 58 | 45 | 40 | | 0 | cumu | 0 | |
| 6 | | | | | East | 2 | | | 30.23 | 56 | 46 | 42 | | " | " | 0 | |
| 7 | | | | | " | 3 | | | 30.23 | 55 | 46 | 43 | | " | " | 0 | |
| 8 | | | | | " | 2 | | | 30.23 | 55 | 47 | 43 | | b. c. | " | 1 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E. | 2 | | | 30.30 | 70 | 59 | 49 | | 0. c. | Cumr. | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | S. E. | 2 | 30.22 | 70 | 55 | 46 | c. t. u. Cumr. | 0 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | West | 1 | 30.22 | 70 | 49 | 45 | c. b. | 10 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| Mid. | | | N. W. | 2.4 | 30.22 | 70 | 48 | 43 | b. c. | 8 |

under the command of W. H. Rueker Lieut Commdr. , U. S. Navy,

Monday April 17th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A.M.

Clear light air from West. to North. latter part overcast. light to gentle breeze from East.

Samuel Lee
Mate.

8 A.M. hands piped.

At 11 A.M. having completed the transfer of stores to the Iris, Northrop the ship was turned over to the Supt of the Naval Academy. C.P. Kitchen Pay Yeo was transferred to Vermont for discharge, & I Basford Ship Yeo. & W.C. Hammond Ships Yeo were discharged from the U.S. Naval Service. Lt J.B. Bleecker was detached from the ship.

Approved

J.B. Bleecker
Lt U.S.N.

Meridian to Midnight.

Overcast and cloudy light winds from S.E. Detail tidying the ships. At 4 rainsquall from N.W. At 4.30 cloudy cloudy, light airs from West. At 7. clear and moonlight. Latter and clear and bright starlight, light winds to moderate breezes at times, from N.W. few dark clouds to South. Detail overhauling standing rigging.

Wm J. Smith
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

At Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 3, 4 | | | 30.20 | 65 | 46 | 41 | | b. | | 10 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 2 | | | 30.25 | 70 | 57 | 45 | | b. | | 10 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | NW | 3 | | | 3037 | 84 | 62 | 48 | | b c | cmd | 5 | 5 |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | NW | 3 | | | 3017 | 86 | 63 | 50 | | c | cmd | 2 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | NW | 2 | | | 3018 | 74 | 56 | 46 | | c | cmd | 5 | 5 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | Mush | 2 | | | 3017 | 75 | 57 | 47 | | o | mist | 0 | 5 |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Tuesday, April 18th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear and bright starlight moderate breezes from N.W. At 4 gentle breezes from N.W. At 5 light winds and cold. At cluster clear and cold. At tail scraping spars, light.

Wm J. Smith
Mate.

From 8 A M until Midnight.

Weather cloudy with moderate to fresh breezes from E N E latter part, fresh breezes to light airs from the E N E to west. Crew employed in scraping light spars.

Chas J Murphy
Mariner

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex. , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | West | 2 | | | 3013 | 65 | 49 | 44 | - | b. c. | Cum | 6 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | Calm | 0 | | | 3012 | 68 | 65 | 53 | | b. c. | St | 9 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N. E. | 2 | | | 3010 | 82 | 58 | 50 | | O. m. | Cum St | 0 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | N. E. | 3 | 3003 | 82 | 60 | 61 | O. m. | Cum St | 0 S |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | East | 3 | 3000 | 66 | 54 | 48 | - O. r. | Nimb | 0 S |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| Mid. | | | | East | 4 | 2998 | 61 | 53 | 44 | O | Nimb. | 0 S |

under the command of W. H. Reuter Lieut. Comdr. , U. S. Navy,

Wednesday April 19th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M.

Weather cloudy with a light breze from the West. crew imployed in loosing sails.

Chas J Murphy
Master

From 8 A. M. until Midnight

Overcast. hazey. light to gentle breze from N. E. at 6 commenced raining. from 8 P. M. light passing sprinkle of rain moderate breze and variable from North. to East. furled sails.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | Force. | Heel. | Leeway. | BAROMETER. Height in inches. | Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | Air, Wet Bulb. | Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | East | 4 | | | 29.96 | 61 | 53 | 49 | | 0. | Nim. | 0 | S. |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | East | 6 | | | 29.88 | 61 | 49 | 46 | | 0.r. | Nim. | 0 | S. |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | E. N. E. | 4 | | | 29.89 | 70 | 49 | 47 | | 0.r. | Nim. | 0 | S. |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | E. N. E. | 5 | | | 29.74 | 70 | 50 | 48 | | o.r. | Nim. | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. E. | 3 | | | 29.64 | 70 | 55 | 54 | | o.d.m. | Nim. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | South | 4 | | | 29.64 | 70 | 58 | 53 | | c.p. | Cum. Nim. | 3 | |

under the command of W. H. Reader Lieut Comdr. , U. S. Navy,

Thursday, April 20th. , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Overcast, thick weather; at 6 commenced raining, moderate to fresh breezy from East.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Overcast and rain alternately stiff to moderate breezes from E. N. E. At 8 misty around the horizon. Wind shifting and backing from East to N. E. & Detail cleaning ladders and boats. At 6 gentle breezes from N. E. Latter — and clear, moonlight, cloudy at times to South with moderate breezes from South. At close passing showers of rain from N. W.

Wm. J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex", Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | CW W | 4/2 | | | 29,84 | 67 | 50 | 44 | | L C | and | 6 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | S | | | 29,86 | 70 | 62 | 52 | | L | — | 10 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 6 | | | 29,84 | 86 | 66 | 56 | | L | — | 10 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 6 | | | 29,86 | 88 | 61 | 51 | | O R and | — | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S or to South | 2/2 | | | 29,94 | 67 | 67 | 52 | | C Clear | — | 7 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | West | 1 | | | 29,94 | 67 | 50 | 44 | | L | — | 10 | S |

under the command of W. H. Reder Lieut Comdr. , U. S. Navy,

Friday April 21st , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A M. Partly cloudy starlight with moderate breeze to light winds from ov NW. At 5 clear weather light airs to light winds from South. Loosed sails to dry them at 7.30 Dolphin made Signals Interrogatory 5 4 5 5, Sent answered with 804

Wm J. Smith
Mate.

From 8 A M until Midnight. 8th Meridian. Clear, at 4 P M. overcast and light rain, fresh breeze from the South, at 2.15 Hon Hilary A Herbert Secretary of the U S Navy arrived at the Academy. And was received with a Salute of 17 guns. At 4.35 P M. the Secretary of the Navy, Accompanied by the Superintendent of the Naval Academy embarked on board of the U S St "Dalphin" at 5.15 the Dalphin got under way and at 5.30 ran aground opposite the experimental battery, at 7.15 the Dalphin, came off with the Assistance of a Tug, and proceeded down the bay.

Chas J Murphy
Midshipman

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex. , Rate,

At U. S. Naval Academy. Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S. W. | 1 | | | 2996 | 60 | 50 | 44 | | c. | cumi | 7 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | West | 4 | | | 2996 | 68 | 51 | 48 | | b. c. | Str | 9 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | West | 3 | | | 2990 | 71 | 56 | 54 | | b. c. | cum Nimb | 1 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | West | 3-6 | | | 2994 | 74 | 57 | 46 | | b. c. | cum Nimb | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 3 | | | 3001 | 74 | 61 | 44 | | b. c. | cum Str | 1 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | West | 1 | | | 3002 | 60 | 48 | 42 | | 0 | cum Str | 0 | S |

under the command of W. H. Reader Lieut Comdr. , U. S. Navy,

Saturday April 22d , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A. M.

Weather cloudy and overcast at 1 a. m. light shower of rain. latter part clear moderate breeze from West. crew preparing ship for drill in seamanship.

Chas J Murphy
Master

From 8 A. M. until Midnight.

Cloudy with the sun occasionaly visible. stiff to fresh breeze from West. from 4 P. M gentle to light breeze. Naval cadets on board for instruction in seamanship from 8.10 until 10.40 a.m.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 2 | | | 30.00 | 60 | 47 | 41 | | 0 | Cum. Str. | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 4 | | | 30.05 | 59 | 46 | 44 | | 0.2. | Nim. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N. W. | 3 | | | 30.16 | 70 | 52 | 42 | | c. b. | Cum. | 5 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 3 | | | 30.17 | 70 | 55 | 45 | | c. | Cum. | 2 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 3 | | | 30.26 | 70 | 50 | 42 | | c. b. | | 10 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | N. W. | 3 | | | 30.30 | 70 | 45 | 39 | | b. | | 10 | |

under the command of W. H. Rudr. Lieut. Comdr. , U. S. Navy,

Sunday, April 23rd , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Overcast light breezes to light air from S.W. to South to West. At 4.15 A.M. at 6.45 commenced raining.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Cloudy with gentle breezes from N.W. At 10 passing clouds from West. At 1 during the afternoon damp and raw weather, moderate breezes. At 7. clear and bright moonlight. until close.

Wm. J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex", Rate,

At the U S Naval Academy Annapolis Md

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | ENE | 2 | | | 30,29 | 65 | 38 | 33 | | t c w | Sti | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ENE | 2 | | | 30,40 | 70 | 57 | 41 | | t z | | 10 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S E | 3 | | | 30,40 | 80 | 56 | 44 | | t c | Strat | 9 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | South | 3 | | | 30,36 | 84 | 58 | 48 | t c | Strat | 9 | S |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | South | 4/5 | | | 30,29 | 78 | 54 | 47 | e | cml | 2 | S |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| Mid. | | | | South | 5 | | | 30,20 | 68 | 56 | 44 | e | Cirrus | 8 | S |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Monday April 24th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A M.

Clear and bright moonlight and clouds in the horizon and light winds from NW at 2.30 moon setting dew falling cleaning ship in general at close haul around the horizon.

Wm J Smith
Mate.

From 8 A M until Midnight.

First part weather with light to gentle breeze from the NW to SE latter part moderate to fresh breeze from South and cloudy. at 2 P M the "Standish" left the Academy for drill in the bay and returned at 5.30 P.M. crew employed in the work prescribed for the day

Chas J Murphy
Master

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex. , Rate,

At U. S. Naval Academy. Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | Sault | 2 | | | 30.16 | 60 | 66 | 47 | | 0. | Nmb | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | Sault | 1 | | | 30.14 | 64 | 64 | 48 | | 0. p.r. | Nmb. | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | West | 2 | | | 30.12 | 70 | 60 | 54 | | 0.r. | Nmb | 0 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | North | 2 | | | 30.16 | 75 | 53 | 61 | | 0. r. f. | Nmb | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. E. | 3 | | | 30.24 | 77. | 61 | 49 | | 0 | Nmb | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | N. E. | 2 | | | 30.26 | 58 | 60 | 48 | | 0. r. | Nmb | 0 | S |

under the command of W. H. Reder Lieut Comdr. , U. S. Navy,

Tuesday. April 26th , 1883. .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M.

Firs part overcast. latter part passing shower of rain. wind light from the Southt. crew employed in cleaning ships and in the duties prescribed for the day.

Chas J Murphy
Master

From 8 A. M. until Midnight.

Overcast light fog. at 11 A.M. rain. at 4.16 P.M ceased raining. light to gentle breze from Southt. hauling to West. to N.W. and to North. from 10 P.M until midnight light rain.

Samuel Lee
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. E. | 2 | | | 30.32 | 59 | 50 | 43 | | 0. | Nim. | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | East | 4 | | | 30.40 | 60 | 47 | 43 | | 0. | Nim. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | East | 4 | | | 30.53 | 70 | 48 | 42 | | 0. | Nim. | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | E. S. E. | 4 | | | 30.51 | 70 | 51 | 43 | | 0. g. | Nim. | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. E. | 4 | | | 30.51 | 70 | 45 | 41 | | 0. | Nim. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | S. E. | 4 | | | 30.48 | 70 | 42 | 40 | | 0. s. | Nim. | 0 | |

under the command of W. H. Beehler Lieut Comdr. , U. S. Navy,
Wednesday, April 26th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Overcast, gentle to moderate breezes from N. E', to East; at 2.45 passing showers of rain.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Overcast, damp and raw weather, moderate breezes from East. Detail scrubbing boats and sundry other jobs. During the afternoon moderate breezes from E. S. E. with threatening appearance of weather. At sunset moderate breezes from S. E. At 10. passing showers of rain, and continued till close.

Wm. J. Smith
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Ship "Essex", Rate,

at the U S Naval Academy Annapolis Md

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | East | 4 | | | 30 30 | 68 | 45 | 44 | | r w | mst | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ex E | 2 | | | 30 22 | 70 | 47 | 45 | | r | mst | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S E | 1 | | | 30 23 | 78 | 54 | 51 | | 0 r | mst | 0 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S E | 3 | | | 30 18 | 82 | 58 | 52 | | t c | strt | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S E | 1 | | | 30 20 | 82 | 56 | 52 | | t c | strt | 9 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | E North | 1 | | | 30 22 | 77 | 54 | 51 | | t c | strt | 5 | S |

under the command of W. H. Reder Lieut Comdr. , U. S. Navy,

Thursday April 27th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Continuous rain with moderate breezes from East. accompanied by mist. At 7.30 "Pilot" proceeded to Baltimore at close light winds from N. E. Moon setting at 5. 44 o'clock.

Wm J. Smith
Mate.

From 8 A M until Midnight.

First portion wet and rain showers, from 4 P M to midnight clear weather, wind during the day light from S E to south crew employed in the duties prescribed for the day. At 8.30. the "Pilot" returned for repairs to boilers.

Chas J Murphy
Matros

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 2 | | | 3024 | 55 | 48 | 45 | | o. f. | cumt. | 2. | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | East | 1 | | | 3029 | 60 | 48 | 48 | | o. f. | Nimb. | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 4 | | | 3028 | 79 | 63 | 55 | | l. c. f. | Cum | 1 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 5 | | | 3022 | 83 | 58 | 53 | - | l. c. m. | S/r | 7 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 4 | | | 3016 | 80 | 58 | 53 | | l. c. | cirro S/r | 3 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | | | | | | | | | | | | | |

under the command of W. H. Reder Lieut Comdr, U. S. Navy,

Friday April 28th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A. M.

First part partly cloudy. from 4 to 8 dense fog. light airs and variable from N.W. to East.

Chas J Murphy
Watch

From 8 A. M. until Midnight.

Dense to light fog. at 12.30 cloudy and hazy. moderate to stiff breeze from South. at night bright moonlight. loosed and furled sails.

Samuel Lee
Asst.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 2 | | | 30.01 | 65 | 55 | 50 | | b. c. | Cum. | 3 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. E. | 2 | | | 30.00 | 68 | 62 | 57 | | c. f. | — | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N. E. | 1 | | | 30.07 | 68 | 61 | | | c. z. | Cum | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | North | 1 | | 30.01 | 70 63 61 | o. p. t. Nim. 0 |
| 5 | | | | | | | | | |
| 6 | | | | Variable | 1 | | | | |
| 7 | | | | | | | | | |
| 8 | | | | West | 1 | | 30.01 | 70 61 58 | o. p. c. Cum. 1 |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | l. |
| 11 | | | | | | | | | |
| Mid. | | | | West | 1 | | 30.02 | 70 59 56 | c. b. Cir. 9 |

under the command of W. H. Ruder- Lieut-Comdr. , U. S. Navy,

Saturday, April 29th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Light to
dense fog, gentle to light breeze from S.E.
to South'ly.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Cloudy and
hazy, light airs from N.E. At 8.10 A.M. Naval
Cadets arrived on board for practical exercises
in seamanship, and took their departure at
11.15 o'clock. During the afternoon passing
showers of rain from North. Variable light
airs. Distant thunder, followed by light airs
from West. At sunset cloudy. At 8. moonlight.
At 9. distant lightning to South. Latter
end clear, bright moonlight, few Cirrus
clouds to N.E. very light airs from West.
Moon rising at 6 p.m. At 10.45 Naval
Cadets hoist mainsail. At 7.35 "Philey" return-
ed from Baltimore.

Wm J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Vassar", Rate,

at the U S Naval Academy Annapolis M. D.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | SW | 1 | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | WSW | 1 | | | 30.03 | 68 | 54 | 57 | | e g | sh. | 5 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ESE North | 1 | | | 30.12 | 70 | 63 | 60 | | e | cmul | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | ENE | 3/4 | | | 30.20 | 82 | 65 | 58 | | e g | cmul | 1 | 5 |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | East | 1/5 | | | 30.27 | 82 | 60 | 52 | | t e g | cmul | 3 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | East | 5- | | | 30.20 | 78 | 55 | 51 | | e | cmul | 1 | 5 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | East | 4 | | | 30.20 | 65 | 58 | 50 | | o | mist | 0 | 5 |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Sunday April 30th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Cloudy and hazy weather moon occasionally visible light winds from S W at 3 wind hauling by west to W N W at 4.46 moon setting at close cloudy with light airs from west.

W. J. Smith
Mate.

From 8 A M until midnight.

Weather overcast and cloudy with haze around the horizon and moderate to fresh breezes from W by S to West.

Chas J Murphy
Waters

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex, , Rate,

At U. S. Naval Academy Annapolis Md

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N.E. | 2 | | | 3060 | 62 | 57 | 50 | | o.f. | Nimb | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N.E. | 1 | | | 3020 | 64 | 55 | 54 | | o.f. | Nimb | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | East | 2 | | | 3016 | 80 | 59 | 67 | | o.f. | cum Str | 0 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | N.E. | 3 | | 3013 | 78 | 67 | 62 | l.c.cm. Str | 7 | 6 |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | North | 3 | | 3004 | 72 | 66 | 60 | 0 | cum Str | 0 | S. |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| Mid. | | | | N.E | 4 | | 3005 | 64 | 54 | 60 | o.r. | Nimb | 0 | S |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Monday May 1st , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A. M.

Weather overcast and foggy with a light breeze from N. E.

Chas J Murphy
Master

From Midnight until 8 A. M.

Overcast light fog. at 12 46 fog lifted. clearing weather. light to gentle breeze from East to N.E. and to North. at 2 46 cloudy and hazzy at 6.30 overcast. breaking out and overhauling Essex. stores. latter part light rain.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3d. Rate,

At Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. E. | 2 | | | 30.06 | 60 | 57 | 48 | | o. f. | | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 2 | | | 30.11 | 63 | 55 | 52 | | o. f. | | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E. | 1 | | | 30.22 | 70 | 65 | 58 | | f. c. | Cir. Cumr. | 1 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | S. E. | 1 | | | | | | | |
| 4 | | To | South | 1 | | 30.16 | 70 | 66 | 60 | c. z. | Cumr. Nim. | 0 |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | S. E. | 1 | 30.12 | 70 | 60 | 58 | c. o. r. | Cumr. Nim. | 0 |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| Mid. | | | | N. N. W. | 1 | 30.12 | 70 | 61 | 58 | o. p. c. | Nim. Cumr. | 0 |

under the command of W. H. Beehler Lieut Commdr. , U. S. Navy,

Tuesday, May 2nd. , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Overcast, at 3.30 drizzly fog, gentle breeze to light air from N. E. to N. North.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Foggy, passing clouds from West, light airs from S. E. to N. E. Hauled up trail engine & variously. Were rattling down Mizzen rigging. During the afternoon clouded up hazy weather. At 3. wind hauling to South. At 7. wind backed to S. E., with threatening appearances of weather. Latter end light showers of rain, cloudy and mild, light airs from N. N. W. Moon rising at 8.57 p.m.

Wm J. Smith C.
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Ship. "Essex", Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | ENE | 2 | | | 30.05 | 70 | 62 | 57 | | c r | mist | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ENE | 2 | | | 30.04 | 70 | 59 | 55 | | o c m | mist | 9 | |
| 9 | | | | | | | | | | | | | | | cirl | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | ENE | 3 | | | 30.00 | 74 | 54 | 53 | | o f m | mist | 0 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | East | 2 | | | 29.90 | 75 | 59 | 50 | | o r f | mist | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | East | 5/6 | | | 29.63 | 76 | 46 | 45 | | o r f | mist | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | East | 6 | | | 29.50 | 61 | 49 | 48 | | o r f | mist | 0 | S |

under the command of W. H. Reader Lieut Comdr. , U. S. Navy,

Wednesday. May 3d. , 18 93.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A.M.

Cloudy at 12,30 light rain occasionally with light winds from ENE. at 6 1/2 moon setting latter end overcast cloudy and misty light winds from ENE. detail rattling down rigging and sundry other jobs.

Wm J. Smith
Mate.

From 8 A M until midnight.

Weather overcast and hazy with heavy showers of rain with winds fresh from ENE to East, Crew employed in various duties.

Chas J Murphy
Master

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES *Steamer Essex.* , Rate,

*At U. S. Naval Academy Annapolis Md.*

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 7 | | | 29.66 | 56 | 50 | 48 | | o. r. | Nim. | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 7 | | | 29.64 | 62 | 55 | 51 | | o. | Nim. | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N. W. | 6·7 | | | 29.74 | 80 | 61 | 48 | | l. c. | cum | 1 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | West | 6 | | | 29.83 | 77 | 60 | 47 | - | l. c. | cum | 1 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | West | 6 | | | 29.87 | 78 | 58 | 45 | | 0 | cum S/r | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | West | 4 | | | 29.90 | 60 | 51 | 43 | | l. c. | S/r | 8 | S |

under the command of W. H. Reder Lieut Comdr. , U. S. Navy,

Thursday. May 4th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A.M.

First part weather overcast heavy rain showers. fresh breze from East. at 1. A.M. wind hauled to N.W. and fresh to strong breze. latter part overcast and cloudy.

Chas J Murphy
Mate

From 8 A.M. until Midnight.

Cloudy. at 6.30 overcast fresh breze from N.W. to West. at 10.30. cloudy. at 11.30 P.M. clear. moderate to gentle breze from West.

Samuel Lee
Mate

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | West | 2 | | | 29.94 | 60 | 57 | 43 | | b. c. | St. | 9 | S. |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | West | 5 | | | 29.98 | 65 | 89 | 48 | | b. c. | Cum. Str. | 2 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. W. | 2 | | | 30.03 | 70 | 68 | 54 | | c. | Cum. Str. | 1 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | S. E. | 2 | | | 29.97 | 70 | 66 | 56 | c. b. z. | Cir. Cum. 5 |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | N. E. | 5 | | | 29.90 | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | S. E. | 3 | | | 29.84 | 70 | 63 | 57 | c. | Cum. 0 |
| 9 | | | | | N. N. W. | 5 | | | | | | | l. p. | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| Mid. | | | | | N. W. | 1 | | | 29.93 | 70 | 58 | 55 | c. b. | Str. 8 |

under the command of W. H. Reader - Lieut & Comdr., , U. S. Navy,

Friday, May 5th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear light to stiff breeze from West, at 7.45 cloudy,

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Cloudy and pleasant, light winds from S.W. & during the afternoon passing clouds from West hazy around the horizon. Loosed sails for drying. At 3.30 furled sails. & Detail painting, tarring and rattling down rigging. At 6.30 sudden wind from N.E. At 7 gradually breezes from S.E., At 8.30 lightning and dark looking weather. At 9.15 stiff breezes from N.N.W. accompanied by shockers of rain. At close clear over head and starlight, cloudy in the horizon, light airs from N.W. Moon rising at 11.44 p.m.

Will J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex", Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | ENE | 2 | | | 29.84 | 68 | 52 | 50 | | b c | Str | 8 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ENE | 1 | | | 30.05 | 70 | 67 | 56 | | [illegible] | Cumul | 1 | 5 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | West | 1/5 | | | 30.10 | 85 | 67 | 55 | | c o | Cumul | 1 | 5 |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | ENE | 5/6 | | | 30.15 | 85 | 64 | 52 | | b c | Cumul | 3 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ENE | 3/4 | | | 30.15 | 76 | 58 | 59 | | b c | Cumul | 2 | 5 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | ENE | 3 | | | 30.18 | 67 | 54 | 44 | | c | Cumul | 0 | 5 |

under the command of W. H. Rector. Lieut Commdr, U. S. Navy,

Saturday May 6th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Clear and bright moonlight: wind from ENE at 6.30 "Standish" left the Academy bound down the bay, preaping for seamanship drill At close passing clouds from West light airs from ENE.

Wm J. Smith
Mate.

From 8 A M until Midnight.

Weather cloudy, and overcast with fresh breezes and variable from ENE to West. at 10.20 the British Vice Admiral visited the Academy and was received with a salute of 15 guns.

Chas J Murphy
Master

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex. , Rate,

At U. S. Naval Academy Annapolis Md

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. E. | 1 | | | 30.18 | 64 | 50 | 45 | | b. c. | S/r | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. E. | 4 | | | 30.30 | 58 | 55 | 45 | | b. c. | S/r | 9 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N. E. | 3 | | | 30.30 | 65 | 61 | 49 | | b. c. | cum | 3 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. E. | 3 | | | 30.22 | 79 | 63 | 61 | | b. c. | cum S/r | 2 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 1 | | | 30.26 | 72 | 57 | 60 | | b. c. | cum S/r | 6 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | North | 1 | | | 30.28 | 61 | 63 | 47 | | b. c. | S/r | 9 | S |

under the command of W. H. Reader Lieut & Comdr. , U. S. Navy,

Sunday May 7th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M.

Clear with a light to moderate breeze from N. E.

Chas J Murphy
Master

From 8 A. M. until Midnight.

Cloudy and cool. moderate to gentle breeze from N. E. at 6:30 light breeze to light air from North. at 2:03 Constellation and Standish arrived. from 8:30 P. M. Clear.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | North | 2 | | | 30.30 | 61 | 51 | 47 | | b. c. | Str. | 9 | S. |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 1 | | | 30.36 | 71 | 61 | 51 | | b. c. | Str | 8 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | Cir. | | |
| Noon. | | | | | S. E. | 3 | | | 30.47 | 70 | 66 | 54 | | c. b. | Str, | 8 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | South | 3 | 30.40 | 70 | 67 | 54 | c. | Cir. Str. | 3 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | South | 4 | 30.38 | 70 | 58 | 50 | c. | Cir. Cum. | 5 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| Mid. | | | | South | 4 | 30.40 | 70 | 55 | 50 | b. | | 10 |

under the command of W. H. Reder Lieut Commdr. , U. S. Navy,

Monday, May 8th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear and pleasant, light air to light breeze from North.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Partly cloudy, gentle breezes from S.E., Retained Training down rigging. During the afternoon gentle breezes from South, increasing to moderate at sunset. with hazy clouds. At 4.15 Naval Cadets Became on board, practiced in seamanship, and left at 5.30.

At close clear and bright starlight.

Wm. J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex" , Rate,

At The U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | South | 3 | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | West | 1 | | | 9040 | 70 | 50 | 44 | | L C | Cirst | 6 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 1 | | | 9044 | 70 | 57 | 53 | | C V | cumul Strat | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | East | 1 | | | 9047 | 76 | 7[illegible] | 59 | | C | cumul | 4 | 5 |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' ''
- Longitude by D. R. ° ' ''
- Latitude by observations of ⊙ ° ' ''
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' ''

Position at 8 a. m.
- Latitude by ° ' ''
- Longitude by ° ' ''

Position at 8 P. M.
- Latitude by ° ' ''
- Longitude by ° ' ''

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' ''

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' ''

Variation of the Compass by Azimuth ⊙ observed at " ° ' ''

Variation of the Compass by Azimuth ⊙ observed at " ° ' ''

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | SE | 1 | | | 9046 | 86 | 55 | | | C | cumul | 5 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 1 | | | 9045 | 73 | 60 | 53 | | L | — | 10 | 5 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | SW | 1 | | | 9048 | 70 | 56 | 53 | | L | — | 10 | 5 |

under the command of W. H. Reuter- Lieut Comdr. , U. S. Navy,

Tuesday May 9th , 1916.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 a m

Clear and starlight few clouds in the horizon gentle breeze from South hauling to west about 8, at 7.0 Standish proceeded to Baltimore. At close cloudy and overcast very light airs from North. Water very muddy.

Wm J. Smith
Mate.

From 8 a. m. until Midnight.

First part cloudy light airs from East to S E at 4.24 the cadets came on board to drill at seamanship and left at 5.30 P M Latter part clear until light. from S W at 6.50. the Standish returned from Baltimore.

Chas J Murphy
Mate

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES *Steamer Essex.* , Rate,

*At U. S. Naval Academy Annapolis Md.*

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 1 | | | 3040 | 60 | 49 | 46 | | l. c. | Str | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. E. | 1 | | | 3047 | 60 | 63 | 53 | | l. | — | 10 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E | 4 | | | 3046 | 66 | 62 | 56 | | l. c. | cum | 9 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″ ; Latitude by observations of ⊙ ° ′ ″ ; Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 3 | | | 3043 | 73 | 65 | 56 | | l. c. | cum | 9 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 3 | | | 3043 | 77 | 63 | 54 | | l. c. | Str | 9 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | West | 2 | | | 3042 | 71 | 60 | 50 | | l | — | 10 | S |

under the command of W. H. Rudr. Smith Comdr. , U. S. Navy,

Wednesday May 10th , 1876 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A. M.

Weather clear and light airs from N. W.

Chas J Murphy
Master

From 8 A. M. until Midnight.

Clear. gentle to moderate breeze from S. E. to South. from 8.31. P.M. light breeze to light air and variable from South to West.

Samuel Lee
Mate

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 1 | | | 30.41 | 65 | 59 | 48 | | b. | | 10 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. W. | 2 | | | 30.41 | 68 | 65 | 58 | | b. | | 10 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E. | 4 | | | 30.46 | 70 | 68 | 58 | | b. | | 10 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 5 | | | 30.38 | 70 | 73 | 60 | | b. | | 10 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. by W. | 4 | | | 30.32 | 70 | 66 | 55 | | b. | | 10 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | South | 5.4 | | | 30.31 | 68 | 61 | 63 | | b. | | 10 | |

under the command of W. H. Reader Lieut Comdr. , U. S. Navy,

Thursday, May 11th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear and pleasant, light air to light breeze, and variable from South to West.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Clear and damp weather moderate breezes from S.E. At 11. Board of survey met in order to hold survey on furniture. During the afternoon clear and stiff breezes from South. At 4.15 Naval Cadets came on board for drill in seamanship, and left at 5.30. Latter end clear and bright starlight, stiff to moderate breezes from South. Moon setting at 1.57 p.m.

W. J. Small
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Ship "Essex" , Rate,

At The U S Naval Academy Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 1 | | | 30.19 | 67 | 60 | 55 | | h | — | 10 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 2 | | | 30.17 | 68 | 67 | 58 | | h c | Cirst | 9 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 4 | | | 30.13 | 78 | 74 | 73 | | h c | Cirst | 8 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' ''
- Longitude by D. R. ° ' ''
- Latitude by observations of ⊙ ° ' ''
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' ''

Position at 8 a. m.
- Latitude by ° ' ''
- Longitude by ° ' ''

Position at 8 P. M.
- Latitude by ° ' ''
- Longitude by ° ' ''

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' ''

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' ''

Variation of the Compass by Azimuth ⊙ observed at " ° ' ''

Variation of the Compass by Azimuth ⊙ observed at " ° ' ''

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 4 | | | 29.84 | 78 | 70 | 60 | | h c | Clust | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 4/2 | | | 29.85 | 78 | 67 | 62 | | c c | Cirrus | 3 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | East | 2 | | | 29.86 | 68 | 65 | 62 | | h | — | 10 | S |

under the command of W. H. Reader Lieut Comdr. , U. S. Navy,

Friday May 12th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Clear and bright starlight light airs from South. Accompanied by ground swell, at 2.35 moon rising. Latter part having rigging. At close cloudy in west horizon light winds.

Wm. J. Smith
Mate.

From 8 A M until midnight

Passing clouds with fresh to light breeze from the South to East both part clear.

Chas J Murphy
Master

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex. , Rate,

At U. S. Naval Academy. Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S.W. | 1 | | | 2983 | 68 | 58 | 54 | | l. c. | cir | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | East | 2 | | | 2980 | 65 | 61 | 58 | | c. | cumt. | 3 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N. E. | 2 | | | 2970 | 71 | 72 | 59 | | l. c. | cum | 6 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S. E. | 3 | | | 2966 | 78 | 70 | 61 | - | l. c. | cum Nimb. | 1 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 3 | | | 2966 | 72 | 59 | 57 | - | o. xtl | Nimb | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | S. W. | 1 | | | 2966 | 67 | 60 | 58 | | 0 | Nimb | 0 | S. |

under the command of W. H. Rieder Lieut Comdr. , U. S. Navy,

Saturday May 13th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear weather. light airs to light breeze from the South. to East. latter part cloudy.

Chas J Murph
Master

From 8 A.M. until Midnight.

Cloudy at 4.16 light shower of rain light to gentle breeze from N.E. hauling to S.E. and to South. at 7.16 overcast wind shifted to N.W. with thunder and lightning in S.W. to N.W. and N.E. horizon. at 7.35 commenced raining and ceased at 11.36 P.M. light breeze to light air from West.

Samuel Lee
Mate

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | West | 1 | | | 29.68 | 64 | 55 | 52 | | b. c. | Cir. Cumr. | 6 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 3 | | | 29.67 | 67 | 60 | 54 | | b. c. | Cumr. | 1 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | W. N. W. | 4 | | | | | | | | | Cir. | | |
| Noon. | | | | | North | 5 | | | 29.77 | 70 | 64 | 54 | | b. c. | Cumr. | 4 | |

Course and distance made good since preceding noon by observations, . knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 5.4 | | | 29.80 | 70 | 64 | 54 | | c. m. | Cumr. | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 1 | | | 29.90 | 70 | 64 | 55 | | b. | | 10 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | N. W. | 1 | | | 29.91 | 70 | 58 | 52 | | b. | | 10 | |

under the command of W. H. Reder Lieut Comdr. , U. S. Navy,

Sunday, May 14th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Cloudy
light air to gentle breeze from West to N.W.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Passing
clouds from North, moderate to stiff breezes from W.N.W. At 11.30 wind to North, with rising barometer. During the afternoon clouds stiff to moderate breezes from N.W. At sunset clearing with gentle to light breezes from North. Latter end clear and bright starlight, very light airs from N.W.

Wm J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES. Ship "Essex" , Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | ENE | 1 | | | 29,97 | 68 | 55 | 50 | | b | | 10 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | West | 1 | | | 30,03 | 70 | 70 | 60 | | b e g | cir | 5 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 3 | | | 30,05 | 76 | 70 | 62 | | o e | cmul | 2 | 3 |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | SW | 4 | | | 30,02 | 78 | 72 | 65 | | o c | cmul | 2 | 3 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | SW by South | 3 | | | 29,99 | 78 | 67 | 62 | | o n | mist | 0 | 3 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | South | 4 | | | 29,98 | 67 | 65 | 60 | | o n | mist | 0 | 3 |

under the command of W. H. Reuter Lieut & Comdr, U. S. Navy,

Monday May 15th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear and bright starlight light airs from N W. loosed all sails in order to dry them latter end partly cloudy and hazy light airs from west.

Wm. J. Smith
Mate.

From 8 A M until midnight

First part cloudy with light breys from South to S.W. at 6 P.M. commenced raining and continued so until midnight wind light from S W to South.

Chas J Murphy
Master

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 4-5 | | | 29.82 | 70 | 64 | 61 | | 0. r. | Nmb. | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 4-5 | | | 29.75 | 75 | 64 | 60 | | 0. r. | Nmb. | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 5 | | | 29.55 | 75 | 65 | 63 | | 0. r. | Nmb | 0 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 4 | | | 29.49 | 75 | 68 | 64 | - | l. c. | cum | 6 | S | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | West | 4 | | | 29.66 | 69 | 62 | 55 | | l. c. | cum Str | 8 | S. | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| Mid. | | | | | | | | | | | | | | | | | | |

under the command of W. W. Rudr. Lieut Comdr. , U. S. Navy,

Tuesday May 16th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Weather overcast and raining. wind fresh to moderate breeze from South.

Chas P Murphy
Master

From 8 A.M. until Midnight.

Overcast. with passing showers of rain. stiff to fresh breeze from South. hauling to West. and to N.W. at 1.46 cloudy and clearing.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S. W. | 2 | | | 29.52 | 62 | 55 | 49 | | b. c. | Str. | 8 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. W. | 3 | | | 29.53 | 67 | 62 | 54 | | b. c. | Cumr. | 9 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. W. | 3 | | | 29.55 | 68 | 67 | 55 | | c. | Cumr. | 1 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 4 | | | 29.55 | 68 | 67 | 55 | | c. | Cumr. Str. | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 3 | | | 29.62 | 70 | 60 | 53 | | c. | Cumr. Str. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | N. W. | 3 | | | 29.68 | 70 | 58 | 52 | | c. n. | Nim. | 0 | |

under the command of W. H. Reader Lieut & Commdr. , U. S. Navy,

Wednesday, May 17th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear and pleasant, light to gentle breezes from South to S.W.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Cloudy, damp and raw with gentle breezes from S.W. & during the afternoon passing clouds from West, moderate breezes from N.W. At 4.20 Naval Cadets cutter on board cruised gramanship, and then left the ship at 5.25. At sunset gentle breezes. Latter end overcast and threatening weather, gentle breezes. Moon setting at 9.53 p.m.

Wm J. Smith
Mate

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Ship "Essex" , Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | cumb | | |
| 4 | | | | | ENE | 2 | | | 29.60 | 68 | 56 | 48 | | o c | cumb | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ENE | 4 | | | 29.64 | 68 | 62 | 52 | | c | cu Strat | 5 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | ENE | 4 | | | 29.70 | 84 | 68 | 57 | | c | cumb | 2 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″ ; Latitude by observations of ⊙ ° ′ ″ ; Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | ENE | 4 | | | 29.72 | 77 | 67 | 55 | | c | cumb | 2 | N |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ENE | 4/5 | | | 29.80 | 73 | 58 | 53 | | c | mist | 0 | N |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | ENE | 4/5 | | | 29.84 | 73 | 62 | 55 | | c | mist | 0 | S |

under the command of W. H. Reader Lieut & Comdr. , U. S. Navy,

Thursday May 18th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Overcast and cloudy light winds from N.W. At 6.31 A M. moon rising at 7 A M "Blondie" left for Baltimore at close cloudy damp and chilly moderate breezy.

Wm. J. Smith,
Mate.

From 8 A M until Midnight.

Weather cloudy and overcast with moderate to fresh breezes from N W at 4.20 the naval cadets came on board to exercise at seamanship. and left the ship at 5.30 P. M.

Chas. J. Murphy
Master

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES *Ship "Essex"*, Rate,

*At U. S. Naval Academy Annapolis Md.*

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N.W. | 2 | | | 2988 | 65 | 55 | 46 | | l.c. | cir | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N.W. | 4 | | | 30.00 | 67 | 59 | 47 | | l.c. | Str | 8 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N.W. | 4.5 | | | 3001 | 74 | 69 | 66 | | l.c. | cum | 9 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | N.W. | 4 | | | 3001 | 76 | 72 | 70 | l.c. | cum | 9 S |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | N-W- | 1 | | | 3004 | 74 | 68 | 66 | l-c. | Str | 9 S. |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| Mid. | | | | N.W. | 2 | | | 3010 | 70 | 63 | 58 | l.c. | Str | 9 S |

under the command of W. H. Reader Lieut & Comdr. , U. S. Navy,

Friday May 19th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.
Clear weather with light breze from the N.W. latter part wind freshning.

Chas J Murphy
1st Master

From 8 A.M. until Midnight.
Clear and pleasant moderate to stiff breze from N.W. from 5 P.M. light breze to light air.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 2 | | | 30.16 | 63 | 59 | 57 | | b. c. | St. | 9 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | East | 1 | | | 30.24 | 71 | 68 | 66 | | b. c. | St. | 9 | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E. | 2 | | | 30.30 | 70 | 70 | 67 | | b. | | 10 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″ ; Latitude by observations of ⊙ ° ′ ″ ; Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″ ; Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 3 | | | 30.22 | 70 | 76 | 60 | | b. | | 10 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | S. W. | 3 | | | | | | | | | | | |
| 8 | | | | | South | 4 | | | 30.18 | 70 | 69 | 60 | | b. c. | Cum. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | Variable | 1 | | | | | | | | | | | |
| Mid. | | | | | S. E. | 2 | | | 30.34 | 70 | 65 | 60 | | b. c. | Cir. | 8 | |

under the command of W. H. Reader Lieut & Comdr. , U. S. Navy,

Saturday, May 20th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Clear and pleasant, light breezes & to light air from N. W. hauling to N. E. and to East.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Clear and pleasant weather, light winds from S. E. During the afternoon clear and warm weather, gentle breezes from South increasing to moderate. At sunset cloudy with gentle breezes from S. W. Latter part clear and moonlight, very light and variable also, few hazy clouds.
Moon setting about Midnight.
At close light winds from S. E.

Wm. J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex" , Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S W | 2 | | | 30.16 | 70 | 65 | 59 | | 0 p 2 0 | mist | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | Mist | 2 | | | 30.12 | 70 | 70 | 63 | | c h | cir | 5 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | Mist | 2 | | | 30.12 | 88 | 84 | 70 | | h c | Mist | 2 | 5 |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | S W | 2 | | | 30.03 | 84 | 89 | 70 | | L e | shift | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S W | 2/4 | | | 29.98 | 82 | 76 | 67 | | o n p J 8 | mist | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | S W b W | 1/2 | | | 30.06 | 78 | 71 | 67 | | o 2 o n | mist | 0 | S |

under the command of W. H. Reader, Lieut & Comdr., , U. S. Navy,

Sunday May 21st , 1893..

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Overcast passing showers of rain lightening and distant thunder to S W at 4 hazy clouds and gentle breezes from S E at close hazy clouds light winds from west.

Wm. J. Smith C.
Mate.

From 8 A M until midnight.

First part of the watch clear with a light breeze from the west to S. W. and ever latter part passing showers of rain with thunder and lightening.

Chas J Murphy
Mate

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | 0. r | Nmit | 0 | S |
| 4 | | | | | S. W. | 2 | | | 30 13 | 70 | 67 | 63 | - | 0 | Nmis, | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | West | 1 | | | 30 07 | 72 | 67 | 63 | | l. c. c. | Strat | 7 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E. | 2 | | | 30 06 | 81 | 80 | 70 | - | l. c. m | Str | 8 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | S. S. E. | 3 | 30 01 | 81 | 80 | 69 | l. c. m. | Str | 8 | S |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | South | 4 | 29 96 | 80 | 76 | 67 | l. c. m. | Str | 2 | S. |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| Mid. | | | South | 2 | 29 94 | 76 | 74 | 65 | l. c. m. | Str | 9 | S. |

under the command of W. H. Reid Jr. Lieut Comdr. , U. S. Navy,

Monday May 22d , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A. M.

Firs part moderate rain showers. latter part clear wind light from S.W. to West. at 2. A.M. ceased raining.

Chas Murphy
Master

From 8 A.M. to until Midnight.

Clear and pleasant. horizon hazy. at 6.30 cloudy. light to moderate breeze from S.E. hauling to S.S.E. and to South. from 7.30. clear. horizon hazy. bright moonlight.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 2 | | | 29.92 | 72 | 70 | 64 | | b.c.m. | Str. | 9 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 3 | | | 29.90 | 80 | 78 | 67 | | b.c.m. | Str. | 8 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 3 | | | 29.90 | 80 | 82 | 71 | | c.z. | Cir. | 0 | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | S. S. W. | 4 | 29.80 | 80 | 85-70 | c.z. Cir. 0 |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | S. W. | 4 | | | | c.z.t. Cum. |
| 8 | | N. W. | 6.5- | 29.85 | 80 | 75-67 | l.p. Nim. 0 |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| Mid. | | N. W. | 4 | 29.93 | 70 | 67 60 | c. Cum. Str. 5- |

under the command of W. H. Reeder Lieut & Comdr. , U. S. Navy,

Tuesday, May 23rd , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Hazy and pleasant, light to gentle breezes from South.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Cloudy and hazy weather and visible gentle breezes from South — at sunset clouding up to W.N.W. at 7. zigzag lightning with distant thunder, followed by moderate squalls and passing showers of rain from N.W. at 9.30 cleared rain, and cloudy light winds from N.W. Latter end clear and pleasant and moonlight. At close moderate breezes from N.W. About 10 a.m. moon rising!

Wm J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex", , Rate,

At the U S Naval Academy. Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | NW | 5/2 | | | 30,07 | 69 | 64 | 56 | | e. q. b. | Str | 8 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | NW | 4 | | | 30,21 | 70 | 65 | 55 | | b | — | 10 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | NW | 4 | | | 30,23 | 74 | 70 | 64 | | b c | Strat | 8 | 5 |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S E | 3/2 | | | 30,25 | 74 | 73 | 65 | | b | — | 10 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S E | 1 | | | 30,26 | 72 | 68 | 58 | | b c | Strat | 8 | 5 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | West | 1 | | | 30,24 | 70 | 65 | 57 | | b | — | 10 | 5 |

under the command of W. H. Reader Lieut & Comdr , U. S. Navy,

Wednesday May 24th , 1892.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A M.

Cloudy with stiff breezes from ENE At 1.50 moon setting squally at intervals At 3 light winds at 6.30 clear and cool stiff breeze rising Barometer. At close moderate breezes.

Wm J. Smith
Mate.

From 8 A M until Midnight.

Weather clear with moderate breezes to light airs from the ENE to SE and from SE to West.

Chas J Murphy
Attached

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex". , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | N. W. | 1 | | | 30.26 | 65 | 60 | 56 | — | b. | — | 10 | S |
| 5 | N. | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 1 | | | 30.24 | 65 | 65 | 60 | | b. | — | 10 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 45 | | | 30.15 | 70 | 72 | 63 | | b | — | 10 | S |
| | | | | | | | | | | | | | | | | | |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 4-5 | — | — | 30.06 | 74 | 75 | 64 | — | l. c. | S/r | 9 | S. |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 4 | | | 30.04 | 76 | 71 | 64 | | l. c. | S/r | 9 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | S. W. | 3 | | | 30.04 | 71 | 67 | 63 | | l. c. | S/r | 8 | S |
| | | | | | | | | | | | | | | | | | |

under the command of W. H. Reeder Lieut Commdr. , U. S. Navy,

Thursday May 26th , 1873 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M.

Clear weather. light airs from the N. W.

at 7 Standish left for Baltimore.

Chas J Murphy
Master

From 8 A. M. until Midnight.

Clear and pleasant. moderate to stiff breez from South.

Samuel Lee
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", , Rate,

Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S. W. | 2 | | | 30.06 | 68 | 65 | 62 | | b. c. m. | Str. | 8 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 2 | | | 30.08 | 70 | 70 | 66 | | b. c. m. | Cum. | 8 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | N. E. | 2 | | | 30.14 | 76 | 76 | 67 | | f. c. | Cir. | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″ ; Latitude by observations of ⊙ ° ′ ″ ; Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″ }

Position at 8 a. m. { Latitude by ° ′ ″ ; Longitude by ° ′ ″ }

Position at 8 P. M. { Latitude by ° ′ ″ ; Longitude by ° ′ ″ }

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | East | 2 | | | 30.09 | 76 | 76 | 68 | | C. | Cum. | 0 | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | East | 2 | | | 30.06 | 70 | 67 | 60 | | C. | Cum. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | E. N. E. | 3 | | | | | | | | | Cir. | 8 | |
| Mid. | | | | | East | 2 | | | 30.06 | 70 | 63 | 58 | | b. c. | Cum. | 1 | |

under the command of W. H. Reder Lieut-comdr. , U. S. Navy,

Friday , May 26th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Hazy and pleasant, P. W.I hauling to gentle to light breze from W. W. and the North.

Samuel Lee
Mate.

From 8 A.M. to Midnight

Hazy, cloudy and ~~pleasant~~ weather, light winds from N. E. During the afternoon light winds from East. At sunset threatening appearance of weather, moderate breeze from East, Latter end clear and bright moonlight passing clouds from West, gentle breezes from E. N. E. At older cloudy, light winds from East. Moon setting about 5. p.m.

Wm. J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex" , Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | East | 2 | | | 30,08 | 70 | 60 | 56 | | o L T p | nmb | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | ENE | 1 | | | 30,12 | 70 | 61 | 57 | | o | nmb | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | East | 1 | | | 30,07 | 72 | 63 | 61 | | o r f. | nmb | 0 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | ENE | 1 | | | 30,01 | 75 | 66 | 63 | o f mist 0 S |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | ENE | 1 | | | 30,01 | 72 | 66 | 64 | o f r mist 0 S |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| Mid. | | | | ENE | 1 | | | 30,01 | 73 | 65 | 63 | o f mist 0 S |

under the command of W. H. Reader Lieut Comdr. , U. S. Navy,

Saturday May 27th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Overcast lightning and distant thunder followed by passing showers of rain about 3 moon setting, at 4 ceased rain with overcast and light rain.

W. J. Smith
Mate.

From 8 A M until midnight.

Weather overcast and foggy with passing showers of rain and light airs from the East to ESE.

Chas J Murphy
Watcher

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex". , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | North | 1 | | | 2.996 | 71 | 65 | 63 | - | f. o- | Nimb | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 1 | | | 30.01 | 72 | 67 | 64 | | o. p. r. f. | Nimb | 0 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E. | 1 | | | 2.998 | 74 | 69 | 66 | | o. | Nimb | 0 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | North | 3 | | | 2.997 | 68 | 67 | 59 | | 0 | Nimb | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. E. | 1 | | | 2.998 | 69 | 66 | 61 | | 0. | Nimb | 0 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | North | 2 | | | 2.996 | 66 | 60 | 63 | | 0. r. | Nimb | 0 | S |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Sunday May 28th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M.

Weather overcast with fog and passing showers of rain. and light air from North.

Chas J Thorpe
Master

From 8. A. M. until Midnight.

Overcast light passing showers of rain. light air to gentle breeze from North. hauling to S. E. at 2.30 shifting to N.W. then hauling to North and to N. E. at 11.00 P. M. Commenced raining. high water 3.35. P. M.

Samuel Lee.
mate U.S.N.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | S. E. | 3 | | | | | | | | | | | |
| Noon. | | | | | East | 2 | | | 30.00 | 70 | 61 | 55 | | 0. p. | Nim. | 0 | S. |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | South | 1 | | | | | | | | | | | |
| 3 | | | | | W. S. W. | 1 | | | | | | | | | | | |
| 4 | | | | | S. W. | 1 | | | 30.01 | 70 | 62 | 57 | | R. | Nim. | 0 | S. |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N. W. | 1 | | | 30.02 | 70 | 60 | 57 | | C. | Cum. | 0 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | West | 1 | | | 30.02 | 70 | 57 | 54 | | b. | | 10 | S. |

under the command of W. H. Reder. Lieut-Comdr. , U. S. Navy,

Monday, May 29th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Overcast continuous raining, light to gentle breezes from North hauling to East, at 7 ceased raining.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Overcast light winds from S.E. At 10.30 passing showers of rain. At 11.30 fired a salute of 15 guns in honour of the Board of Visitors' arrival at the Academy. At 2.25 the Italian Flagship "Etna" and her consort "Eridano" came to an anchor in the outer roads, and immediately after a National salute was fired by the former with the American ensign flying at the Fore, which salute was equally returned by the shore battery with the Italian ensign displayed from the Sailor's Main. During the afternoon continuous rain with light airs from South to S.W. to W.S.W. At 4.45 ceased rain followed by overcast and cloudy, with light airs from West to N.W, Latter end clear and bright moonlight, light airs from West.

Wm. J. Smith
Mate

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | OR W | 1 | | | 29,98 | 68 | 54 | 50 | | L C | Strat | 8 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | OR W | 1 | | | 30,04 | 70 | 64 | 57 | | L | | 10 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S E | 4 | | | 30,04 | 73 | 69 | 60 | | L C | Strat | 8 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 5/4 | | | 30,06 | 75 | 72 | 62 | | L C | cumul Strat | 7 | R |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 5/4 | | | 30,14 | 74 | 67 | 61 | | L C | cumul | 7 | R |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | South | 5/4 | | | 30,14 | 75 | 67 | 61 | | L C | Strat | 8 | R. |

under the command of W. H. Reader Lieut Comdr. , U. S. Navy,

Tuesday May 30 11 11 , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.
Clear and bright moonlight light airs from the ENE. at 7.30 the Italian Flagship came to Anchor off the Academy at close warm and pleasant weather.

Wm J. Smith
Mate.

From 8 A M until Midnight.
Clear weather with a moderate to fresh breeze from S E to South, at 8 am loosed sails, at 9 A M Captain R S Thyng and Miser Superintendant of the Academy visited the Italian flag ship and upon taking his departure therefrom, saluted with Eleven (11) guns which was returned from the saluting battery with Eleven (11) guns. At 10.40 A. M. the Italian Admiral visited the Academy and was received with a Salute of thirteen (13) guns. At 2.30 P M furled sails.

Chas J Murphy
Master

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex". , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 5 | | | 30.20 | 68 | 65 | 60 | | b. c. | S/r | 8 | R |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 6 | | | 30.26 | 68 | 65 | 62 | | l. c. | S/r | 8 | R. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 4 | | | 30.24 | 73 | 73 | 65 | — | b-c. | cum | 9 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S. S. W. | 4 | | | 30.31 | 75 | 75 | 64 | | l. c. | cum | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. E. | 3 | | | 30.21 | 76 | 69 | 68 | | b. c. | cum | 8 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | S. E. | 4 | | | 30.22 | 74 | 67 | 65 | | l. c. | cum S/r | 6 | S |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Wednesday May 31st , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A. M.

Weather clear with a fresh breeze from the South.

Chas J Murphy
Boatswain

From 8 A. M. until Midnight.

Clear and pleasant. moderate to gentle breeze and variable from S. E. to S. W. from 6 P. M. moderate breeze from S. E.

Samuel Lee
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S. E. | 4 | | | 30.28 | 68 | 65 | 64 | | b. c. | Nim. | 2 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | Cumr. | | |
| 8 | | | | | S. E. | 3 | | | 30.28 | 72 | 69 | 67 | | b. c. | Nim. | 2 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | Cir. | | |
| Noon. | | | | | S. E. | | | | 30.34 | 75 | 80 | 74 | | b. c. | Cumr. | 5 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S. W. | 3 | | | 30.29 | 78 | 79 | 69 | | b. c. | Cir. Cumr. | 4 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. S. E. | 4 | | | 30.28 | 70 | 72 | 67 | | b. c. | Cir. Str. | 2 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | S. E. | 3 | | | 30.28 | 70 | 70 | 65 | | c. | Cumr. | 0 | |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Thursday, June 1st , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Cloudy moderate to gentle breeze from S.E. at 7.15 passing shower of rain.

Samuel Lee
Mate.

From 8 A.M. to Midnight.

Cloudy and pleasant weather, light airs from S.E. At 2. Standish left with Board of Visitors on board for the Italian Flagship. During the afternoon hazy clouds, gentle breezes from S.W. At 4.30 H.I.M.S. Etna fired a salute of fifteen guns in honour of the Board of Visitors, which salute was equally returned with the Italian ensign at the main. At 5. Standish returned. At 5. U.S.C.S. Steamer "Endeavour" and shortly afterwards U.S.L.E. Steamer "Essaming" arrived. At sunset gentle breezes from S.S.E. with damp weather. At 9.50 p.m. moon rising. At close cloudy with gentle breezes from S.E.

Wm. J. Smith
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Ship "Essex", , Rate,

At the U S Naval Academy. Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S E | 3 | | | 30 30 | 75 | 68 | 64 | | c | cumul | 2 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S E | 2 | | | 30 33 | 70 | 75 | 70 | | c | cir cumul | 1 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 1 | | | 30.30 | 82 | 74 | 73 | | o c r p | mist | 0 | 3 |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | South | 2 | | | 30.24 | 80 | 75 | 71 | | o r p | mist | 0 | 5 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South by West | 2 | | | 30 24 | 78 | 72 | 69 | | o r p | mist | 0 | 5 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | North | 2 | | | 30 30 | 77 | 70 | 68 | | o | mist | 0 | 3 |

under the command of W. H. Reader Lieut-Comdr. , U. S. Navy,

Friday June 2nd , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Cloudy with gentle breeze from the S.E. At close light rain

Wm J. Smith

Mate.

From 8 A M until Midnight.

Cloudy and passing showers of rain. Mind light from South to North At 10.10 A M the Hon Secretary of the Navy arrived at the Academy and was received with a salute of seventeen 17 guns. Latter part of watch overcast

Chas S. Throckmorton

Master

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Steamer "Essex", , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | North | 2 | – | – | 3028 | 72 | 68 | 66 | – | 0 | Nmb. | 0 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. E. | 1 | | | 3032 | 78 | 70 | 67 | | 0. f. | Nmb. | 0 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S. E | 2 | | | 3033 | 83 | 79 | 71 | | b. c. | cum | 2 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | East | 2 | | | 3028 | 83 | 82 | 74 | | b. c. | cirrus cum | 7 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | East | 2 | | | 3034 | 82 | 76 | 72 | | b. c. | cum St | 1 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | | | | | | | | | | | | | |

under the command of W. H. Dexter-Lieut-Comdr-, U. S. Navy,

Saturday June 3d, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A. M.

Weather overcast and foggy with a light air from North to S. E. at 8 a.m. U. S. S. H. Steamer Jessamine left the Reading. at 8.40 the Italian Man of War Erodina left the Reading.

Chas J Murphy
Master

From 8 A. M. until Midnight

Overcast at 9.45 a.m. cloudy. light breze from S. E. at 9.00 a.m. U. S. S. S. Steamer Endeavor left at 10.00 a.m. the Station Ships Etna and Eridano left - during the afternoon hazy and warm. wind backing to East gentle breeze at 8.45 lightning in the West to N.E. at 9.50 light sprinkle of rain.

Samuel Lee.
Mate.

Examined and found to be correct.

Transferred to Commander A. S. Snow U.S.N.
W. H. Reeder
Lieut. Comdr. U.S.N.
In Charge of Ships

Navigator.

LOG of the UNITED STATES Steamer "Essex" , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | Sautt | 2 | | | 3030 | 75 | 74 | 70 | - | b. c. | cum s/s | 6 | 3 |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S. E. | 3 | | | 3018 | 77 | 77 | 73 | | b. c. | cum s/s | 3 | 3 |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | Cir. | | |
| Noon. | | | | | S. E. | 3 | | | 30.24 | 80 | 85 | 75 | | b. c. | Cum. | 4 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | Cir. | |
| 4 | | | South | 3 | 30.17 | 84 | 84 | 74 | c. b. Cum. | 3 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | Cum. | |
| 8 | | | N. W. | 4/5 | 30.18 | 80 | 78 | 72 | c. s. l. t. Nim. | 0 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| Mid. | | | West | 2 | 30.17 | 75 | 72 | 68 | b. c. Str. | 8 |

under the command of A. S. Snow. Commander. , U. S. Navy,

Sunday June 4th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M. Cloudy light to gentle breze from South to S.E. at 3.40 "Standish".

Samuel Lee
Mate

From 8 A.M. to Midnight.

Cloudy and warm weather, with gentle breezes from S.E. During the afternoon gentle breezes from South. At sunset distant lightning and squally appearance to West. At 7.40 rain, and distant Thunder to N.W. followed by stiff breezes. Latter end clearing weather, light winds from West. At 11.39 p.m. moon rising.

Wm J. Smith
Mate.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex" , Rate,

At the U S Naval Academy. Annapolis. Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | WNW | 2 | | | 30.12 | 75 | 72 | 69 | | L C | Strat | 8 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | WNW | 1 | | | 30.15 | 75 | 75 | 70 | | C | cmul | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S E | 2 | | | 30.15 | 84 | 81 | 75 | | L C | Strat | 9 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S E | 2 | | | 30.10 | 86 | 85 | 75 | | C | cmul | 9 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | South | 2 | | | 30.10 | 89 | 86 | 77 | | C | cmul | 0 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Mid. | | | | | S W | 2 | | | 30.04 | 85 | 84 | 72 | | L C | Strat | 7 | S |

under the command of A. S. Snow Commander, , U. S. Navy,

Monday June 5th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A M.

Clear and cloudy moon
visible from west latter end light airs from ~~NW~~.

Wm J Smith,
Mate.

From 8 A M until Midnight.

Weather overcast and cloudy
with a light breeze from the S E to S W. At 12 10 the
Steamer "Standish" arrived from Baltimore and went alongside
of the "Constellation" and left the Constellation at 1.15

Chas J Murphy
Master.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex" , Rate,

At U. S. Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S.W. | 2 | | | 30.02 | 80 | 78 | 73 | | b.c. | S/s | 5 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | S.W. | 2 | | | 30.06 | 78 | 80 | 72 | | b.c. | cumt | 3 | S. |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | S.W. | 3 | | | 30.00 | 83 | 86 | 75 | | b.c. | cum | 3 | S |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | S.W. | 3-4. | 30.04 | 79 | 78 | 74 | o.p. | Nmb | 0 S |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | N.W. | 2 | 30.06 | 79 | 75 | 71 | o. | Nmb | 0 S |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| Mid. | | | West | 1 | 3011 | 75 | 73 | 70 | 0 | Nmb. | 0 S. |

under the command of A. S. Snow Commander. , U. S. Navy,

Tuesday June 6th , 1893 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight until 8 A. M.

Weather cloudy with light breze from S. W.

Chas J Murphy
Mate

From 8 A. M. until Midnight.

Cloudy light to moderate breze from S. W. at 2.00 hauling to West and to N. W. at 3.10 passing showers of rain. at 11.50 ceased raining - at 8.30 a.m. U. S. S. Constellation left in tow of Standish. at 11.00. A.M. Standish returned. at 12.30. Standish left and at 3.30. returned. striping ship.

Samuel Lee
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Naval Academy, Annapolis, Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | West | 1 | | | 30.12 | 72 | 70 | 67 | | 0. | Nim. | 0 | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 3 | | | 30.21 | 71 | 72 | 65 | | 0. | Nim. | 0 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | Nim. | | |
| Noon. | | | | | N. E. | 2 | | | 30.32 | 74 | 74 | 65 | | 0. c. | Cumr. | 0 | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | |
|---|---|---|---|---|---|---|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | N. E. | 2 | 30.32 | 75 | 75 | 65 | o. c. | Cumr. Str. 0 |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | S. E. | 3.2 | 30.34 | 75 | 74 | 65 | c. b. | Str. 5 |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| Mid. | West | 1 | 30.38 | 75 | 68 | 63 | c. b. w. | Str. 7 |

in ~~Charge~~ / ~~under the command~~ of Commander H. S. Snow, U. S. Navy,
Wednesday, June 7th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Midnight to 8 A.M.

Overcast, light air to light breeze from West to North.

Samuel Lee.
Mate.

From 8 A.M. to Midnight,

Overcast and clouds with light winds from N. E. At 1.10 "Standish" returned with the remains of J. Giltry, late seaman of the "Constellation" who was accidentally killed on that vessel's gundeck: prepared the body for funeral, which took place at 3.30 at the Naval cemetery. At 4. funeral escort returned. At 12.30 "Constellation" got underway from South River, and proceeded down the bay. At sunset cloudy with gentle breezes from S. E. Latter part clear and starlight, clouds in the horizon, light airs from West with heavy dews. Moon setting 11.43 a.m. Naval Cadets practicing Target Machine Guns from 4 to 5.30 p.m. and seamanship: laying out Hedges.

Wm. J. Smith,
Mate.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Ship "Essex", , Rate,

at the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | NW | 1 | | | 30,34 | 70 | 66 | 62 | | L C | cumul | 8, | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | North | 2 | | | 30,47 | 75 | 74 | 65 | | L C | cir cumul | 8 | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | East | 2 | | | 30,40 | 78 | 77 | 62 | | L C | Chist | 8 | S |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | East | 2 | 30,40 | 79 | 78 | 67 | L C | Chist 8 S |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | NE | 1 | 30,34 | 76 | 72 | 65 | L | — 10 S |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| Mid. | | NE | 1 | 30,33 | 70 | 68 | 55 | L C | Chist 8 S |

In charge
~~under the command of~~ A S Snow Commander, U. S. Navy,

Thursday June 8th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Clear and starlight light airs from ENE at 1 moon rising cloudy near horizon loosed sails to dry at close light winds from eastward.

Wm J Smith
Mate.

From 8 A M until Midnight.

Weather clear with a light bouge to light airs from the East to ENE. detail from "Yankee" preparing ship. to go to the Navy yard Va. at 2 PM furled sails.

Chas J Murphy
Master.

Examined and found to be correct.

*Navigator.*

LOG of the UNITED STATES Ship "Essex", Rate,

At the U S Naval Academy Annapolis Md.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | S E. | 3/4 | | | 30.33 | 70 | 68 | 59 | | L C | Strat | 8 | S |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | N W | 1 | | | 30.33 | 73 | 72 | 65 | | L C | Strat | 4 | S |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | South | 1 | | | 30.28 | Thermometer stored away | | | | b E | Cir | 9 | S. |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | Thermometer Stood away | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | " | | | | | |
| 4 | | South | 2 | 30.28 | " | b E | Cir | 9 | S | |
| 5 | S by W ½ W | S by W | 2 | 30.28 | 78 | " | be | " | 9 | S |
| 6 | " | " | 2 | 30.28 | 78 | " | be | " | 9 | S |
| 7 | " | " | 2 | 30.28 | 77 | " | " | " | 9 | S |
| 8 | S by W | S. by W. | 2 | 30.27 | 76 | " | " | " | 9 | S |
| 9 | S. by W. | S by W | 2 | 30.28 | 76 | " | " | " | 9 | S |
| 10 | S by E ½ E | " | 2 | 30.28 | 76 | " | " | " | 9 | S |
| 11 | S ½ E | " | 3 | 30.29 | 75 | " | " | " | 9 | S |
| Mid. | " | " | 3 | 30.29 | 74 | " | " | " | 9 | S. |

under the command of A S Snow Commander , U. S. Navy,

Friday June 9th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From midnight to 8 A M.

Clear weather, with a light to moderate breeze from S E to W at 7 A M. detail from the "Santee" commenced preparing the Ship to go to the U S Navy Yard Norfolk Va.

Chas J Murphy
Master

Approved

A. S. Snow
Commander U. S. Navy
In charge of Ships.

From 8 A.M. to Meridian

Clear and pleasent Light breeze from South, Taking in Stores and Making preparations for leaving Wharf.

J. B. Milton Lieut U.S.N.

Meridian to 4 P.M.

Clear and pleasent, Making preparation for leaving Wharf, Took on board all ammunition belonging to Ship, At 3.30 took Tug "Standish" alongside cast off Moorings from Wharf and Stood out of the Harbor in tow of Standish, Ship in Charge of Lieut J. B. Milton U.S.N. by Virtue of an Order from the Superintendent of the Naval Academy

J. B. Milton
Lieut U.S.N.

4 to 8 P.M.

Clear and pleasent, Light breeze from South, About 4.30 Tug cast off from alongside and took tow line ahead Stood down Bay. At 5.30 Thomas Pt. light-house off Starboard beam, At 6.15 Bloody Pt. light-house abeam, At 8 P.M. Sharps Island Light S.E. by S. Bloody Pt. Light N.E. by N. by Compass

J. B. Milton, Lieut. U.S.N.

8 P.M. to Mid.

Clear and pleasent, Light breeze from S. by W. At 9.25 Sharps Island Light off port beam, when Course was Changed by Tug to S. by E. Steering S. ½ E. last two hours of Watch, Wind, Wind gentle last half of Watch.

Examined and found to be correct.

J. B. Milton Lieut. U.S.N
Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

Making passage to Navy Yard Norfolk, Va. in tow

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | Thermometer Stored away | | | | | | |
| 1 | | | | S. 3/4 E | S. by W | 3 | | | 30.29 | 75 | " | " | | b. b. | Cir | 8 | S |
| 2 | | | | S 3/4 E. | S. S. W | 3 | | | 30.29 | 74 | " | " | | " | Circum | 7 | " |
| 3 | | | | S 1/2 E | S. S. W | 3-4 | | | 30.29 | 73 | " | " | | " | " | 6 | " |
| 4 | | | | S 1/2 E | S. W. by S. | 4 | | | 30.29 | 73 | " | " | | " | " | 7 | " |
| 5 | | | | " | " | 4 | | | 30.30 | 73 | " | " | | b. E | " | 8 | " |
| 6 | | | | " | " | 3 | | | 30.31 | 73 | " | " | | " | " | 8 | " |
| 7 | | | | S by E | " | 2 | | | 30.32 | 73 | " | " | | " | " | 9 | " |
| 8 | | | | " | " | 2 | | | 30.32 | 74 | " | " | | " | " | 9 | " |
| 9 | | | | S by E | " | 2 | | | 30.31 | 75 | " | " | | " | " | 9 | " |
| 10 | | | | S 1/4 W | " | 2 | | | 30.31 | 76 | " | " | | " | " | 9 | " |
| 11 | | | | S 1/2 W. | S S W | 2 | | | 30.32 | 77 | " | " | | " | " | 9 | " |
| Noon. | | | | " | " | | | | 30.32 | 78 | " | " | | " | " | 9 | " |

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S 3/4 W | S by W | 3 | 30.32 | 78 | " | b. b. | Cir Cum | 9 S |
| 2 | " | South | 3 | 30.31 | 80 | " | " | " | 8 " |
| 3 | " | " | 3 | 30.30 | 80 | " | " | " | 8 " |
| 4 | " | " | 3-4 | 30.29 | 80 | " | " | " | 9 " |
| 5 | South | " | 3-4 | 30.29 | 80 | " | " | " | 9 " |
| 6 | S 1/4 E | South | 3-4 | 30.29 | 79 | " | " | " | 9 " |
| 7 | " | " | 3-4 | 30.29 | 79 | " | " | " | 9 " |
| 8 | " | " | 3-4 | 30.29 | 78 | " | " | " | 9 " |
| 9 | At Anchor | South | 3-4 | 30.29 | 78 | " | " | " | 9 " |
| 10 | off York Spit | " | 3-4 | 30.30 | 78 | " | " | " | 9 " |
| 11 | Light House | " | 4 | 30.30 | 77 | " | " | " | 9 " |
| Mid. | | " | 4 | 30.30 | 76 | " | " | " | 9 " |

under the command of Charge Lieut J. B. Milton, U. S. Navy,
of U.S Lug "Standish" Saturday June 10th 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Gentle breeze from S. by W. Clear and pleasent,
at 1.30 leave Point Light off St'bd. beam W by S, Drum Pt. Light S ½ W.
bearings by Compass, Drum Pt. Light abeam at 4.45. Latter part of
Watch breeze freshening

J. B. Milton
Lieut U.S.N

4 to 8 A.M.
Moderate to light breeze from S.W. by S, Clear and pleasent.
Passed Pt. Lookout off St'bd. beam at 6.30,

J. B. Milton
Lieut U.S.N

8 A.M. to Meridian
Light breeze from S W by S. Clear and pleasent at 9. passed
buoy No 19- S, d & w d of Smiths Pt. Lighthouse — off St'bd beam, distant
about ⅓ mile, when Changed course to S. ¼ W. At noon
Rappahanock Spit Light SW ½ W, distant about 5 ½ Miles.

J. B. Milton,
Lieut. U.S.N.

Meridian to 4 P.M.
Gentle breeze from S by W and South Clear and
pleasent at 1 P.M., Rappahannock Spit Light bore W, N. W
and Stingray Light bore W ½ S. bearings by Compass,
at 3.15 Wolf Light Buoy off Starboard beam distant about a mile

J. B. Milton,
Lieut. U.S.N.

4 to 8 P.M.
Gentle to moderate breeze from South, Clear and pleasent, about 4.50
New Point Light House abeam, Strong flood tide. Came to anchor at 8 P.M.
Bearings from Anchorage, York Spit W by N. Thimble S. by W ¾ W,
Old Plantation E ¾ N. Cape Charles S.E. by E ¾ E, Bark S.W.
Ships Head between W by S. & W by N. Ship Swinging around to Ebb
when bearings were taken, After Coming to Anchor the "Standish" came
alongside, and took 5 Tons Coal from us, after Coaling she anchored about
half a mile to the S d & W d of us. Anchored in 6 fathoms water, Hard bottom
Anchored with port Anchor and veered to 30 fathoms Chain forward of Bitts.
Ship commenced to Swing to Ebb about 9.20. and got around about
10.30, Red Sector Cape Henry Light showing from Anchorage.

J. B. Milton
Lieut. U.S.N.

8 P.M. to Mid
Moderate breeze from South. Clear and pleasent, Riding to the Ebb.

J. B. Milton,
Lieut. U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

At Anchor off York Spit Light Chesapeake Bay.

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | | | | | | | Thermometer Stood away | | | | | | |
| 1 | | | | At anchor off | S. by W. | 4 | | | 30.30 | 75 | | | | b. b. | Cirum | 8 | M |
| 2 | | | | York Spit | S. S. W. | 4 | | | 30.30 | 75 | " | | | " | " | 8 | " |
| 3 | | | | " | S.W. | 4 | | | 30.30 | 75 | " | | | " | " | 8 | " |
| 4 | | | | " | " | 4 | | | 30.30 | 75 | " | | | " | " | 8 | " |
| 5 | | | | " | " | 4 | | | 30.30 | 75 | " | | | " | 7 | 8 | " |
| 6 | | | | " | " | 3-4 | | | 30.30 | 75 | " | | | " | " | 8 | " |
| 7 | | | | Standing down Bay under Steam | " | 3-4 | | | 30.30 | 75 | " | | | " | " | 9 | " |
| 8 | | | | | " | 3-4 | | | 30.30 | 75 | " | | | " | " | 9 | " |
| 9 | | | | Various Courses, for | S. W. | 2 | | | 30.28 | 78 | " | | | " | " | 9 | 3 |
| 10 | | | | Norfolk Lt. Mutton U.S.N. | " | 1 | | | 30.28 | 80 | " | | | " | " | 9 | 3 |
| 11 | | | | Commdg. Ship | " | 1 | | | 30.26 | 84 | " | | | " | " | 9 | 3 |
| Noon. | | | | moored to Wharf at Navy Yard, Norfolk. Va. | S'd & W'd | 0-1 | | | 30.26 | 86 | " | | | " | " | 9 | 3 |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | alongside Wharf Norfolk Va. | S'd & W'd | 1-2 | 30.26 | 86 | " | b b | Cir Cum | 9 |
| 2 | " | " | 1-2 | 30.25 | 86 | " | " | " | 9 |
| 3 | " | " | 1-2 | 30.24 | 86 | " | " | " | 9 |
| 4 | " | " | 1-2 | 30.24 | 86 | " | " | " | 9 |
| 5 | " | " | 1-2 | 30.24 | 86 | " | " | " | 8 |
| 6 | " | " | 1-2 | 30.24 | 84 | " | " | " | 8 |
| 7 | " | " | 1-2 | 30.24 | 84 | " | " | " | 8 |
| 8 | " | " | 1-2 | 30.24 | 83 | " | " | " | 8 |
| 9 | " | " | 1-2 | 30.24 | 82 | " | " | " | 8 |
| 10 | " | " | 1-2 | 30.24 | 80 | " | " | " | 8 |
| 11 | " | " | 1-2 | 30.24 | 80 | " | " | " | 8 |
| Mid. | " | " | 1-2 | 30.24 | 80 | " | " | " | 8 |

Charge
under the command of Lieut. J. B. Milton Lieut. , U. S. Navy,

Sunday June 11th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Ed Until 4 A. M.

Moderate breeze from South to S.W. Clear and pleasent, commenced Swinging to flood at 4.

J. B. Milton
Lieut. U.S.N.

4 to 8 A.M.

Moderate to gentle breeze from S.W. clear and pleasent, Riding to flood. At 4.30 the Standish came alongside, took two Machinists and some firemen from her, and started fires in the boilers of this Ship, with the intention of Steaming to Navy Yard, Unbent Mainsail. At 6. Steam having formed tried the Engines about 6.15 got up Anchor and stood down the bay, The Standish cast off and steamed down the bay, Keping within Signal distance, about 7.30 Exchanged Numbers with the "Constellation" She being anchored about 1/2 mile outside of Thimble Light.

J. B. Milton,
Lieut U.S.N.

8 A.M. to Meridian.

Light breeze to light airs from S^d Ed W^d Clear and warm, Steaming down Bay and up to Norfolk, Came through Channel West of Horse Shoe, About 8.30 passed close to "Constellation" she sent a boat with Mail to the Standish, about 9 the "Constellation" got Underway and stood out, about 9 took Standish alongside and Steamed up to Navy Yard with both Vessels, Got alongside Wharf at Navy Yard, Norfolk about Noon.

J. B. Milton,
Lieut. U.S.N.

Meridian to 4 P.M.

Light breeze from S^d Ed W^d. Clear and pleasent, at 12.30 Lieut Milton reported the arrival of Ship to Commandant of Yard.

J. B. Milton,
Lieut. U.S.N.

4 to 8 P.M.

Light breeze from S^d Ed W^d Clear and pleasent.

J. B. Milton,
Lieut U.S.N.

8 P.M. to Mid.

Light breeze from S^d Ed W^d Clear and pleasent

J. B. Milton,
Lieut. U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

Moored to Wharf, Navy Yard

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | S^dEand W^d. | S^d and W^d | 1-2 | | | 30.24 | 78 | | | | b b | b cum | 8 | 3 |
| 1 | | | | " | " | 1-2 | | | 30.24 | 78 | | | | " | " | 8 | 3 |
| 2 | | | | | " | 1-2 | | | 30.24 | 78 | | | | " | " | 8 | 3 |
| 3 | | | | | " | 1 | | | 30.24 | 78 | | | | " | " | 8 | 3 |
| 4 | | | | | N^dEand Ed | 1 | | | 30.25 | 78 | | | | " | " | 8 | 3 |
| 5 | | | | | " | 1-2 | | | 30.25 | 78 | | | | " | " | 8 | 3 |
| 6 | | | | | " | 2 | | | 30.25 | 78 | | | | " | " | 8 | 3 |
| 7 | | | | | " | 2 | | | 30.25 | 78 | | | | " | " | 8 | 3 |
| 8 | | | | | " | 2 | | | 30.25 | 80 | | | | " | " | 8 | 3 |
| 9 | | | | | " | 2 | | | 30.25 | 80 | | | | " | " | 8 | 3 |
| 10 | | | | | " | 2 | | | 30.25 | 80 | | | | " | " | 8 | 3 |
| 11 | | | | | " | 2 | | | 30.25 | 80 | | | | " | " | 8 | 3 |
| Noon. | | | | | " | 2 | | | 30.25 | 80 | | | | " | " | 8 | 3 |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | | N^d and E^d | 3-1 | No Instrument on Board | b. b. | cum | 7 |
| 2 | | " | 1-2 | | " | " | 6 |
| 3 | | " | 1-2 | | " | " | 6 |
| 4 | | " | 1-2 | | " | " | 7 |
| 5 | | " | 1-2 | | " | " | 6 |
| 6 | | " | 1-2 | | " | " | 6 |
| 7 | | " | 1-2 | | " | " | 6 |
| 8 | | " | 1-2 | | " | " | 5 |
| 9 | | " | 1-2 | | " | " | 3 |
| 10 | | " | 1-2 | | " | " | 3 |
| 11 | | " | 1-2 | | " | " | 3 |
| Mid. | | " | 1-2 | | " | " | 3 |

Charge under the command of Lieut. J. B. Milton Lieut. , U. S. Navy,
Norfolk Va. June 12th , 1893.

The following mens were transfered to U.S.S. Franklin with bag, hammock and necessary papers
Bowe L.C. 3 app 2nd class. Conway W. Shipwright
Colling J.F.X. 3 app 1st class. Bratton W.G. Oiler. Hughes John Lds
Mead W.J. 3 app 1st class. McKeown Jos. Shipwright
Van Reper. J.S. 3 app 2nd class. Vielstrom A. Seaman. Butterly W.C. 3 app
Scrogie F. O.S. Rasmissen A. O.S. Patterson C.F. Cook.
McLain D. 2nd C.F. Bowman F.S. C. Passer Connelly F.C. Lds
Connelly J. Seaman. Felson O.G. 3 a. 1st C. Lange H.C. O.S.
McCleren D.C. Hold. McKinnon Jas. Seaman. Vogel F.H. O.S.
Tyrrell E.J. O.S. 3 app L.H. 3 a 1st C. Ramsay H. 3 a 2nd C
Patterson H.R. 3 a 1st C. O'Donnell T. Lds. Bates T. 3 a 2nd C
Collins T. 4 2nd C. Delin H.C. Cook. Heedman H. Seaman
Larson A.O. O.S. McCready J. Mach. Vogel C. O.S.
Vinnis G.C.F.C. Babled C.C. Passer 3 tm C.O.S.
Riley M.B. 1 1st C. Post R.S. 3 a 1st C. Olson O.P.C. Passer
Transfered to U.S.S. Dale with bag, hammock and necessary papers. Zimmerman F.X. L.M. 1st Class.
Transfered to U.S.S. Charleston, with bag, hammock and necessary papers Ray. C. has. Seaman.
The following mens were discharged by order of Bureau of Navigation
McVicar A. Lds. Nelson C. Mach. Williams J.C. Lds
Oates H.J. Steward Steward. Schelstrace A.H. M. at Arms.
Sandberg O.F. Mat Arms. Petersson P.O.S. Shepard H. 1st Cook
Myers J.C. Passer. Jordison J.T. Baymaster Lazarus H.C. Mat Arms
Miller R.J. 1st Stew. Gibson E.S.H. Brown H.S. C. Steward.
Baily B.H. at Arms Arnold F.C. Cook Rodrigeuz H. Mat Arms.
Rumbeau A. M. at Arms.
The appointments of McCarty C. Apothy was revoked.

Navigator.

Charge
under the command of Lieut. J. B. Milton Lieut. , U. S. Navy,
Norfolk Va. June 12th , 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced Ed until 4 a.M.
Light breeze from Std Ed Wd. Clear and
pleasent ;.

J. B. Milton
Lieut. U. S. N.

4 to 8 a.M.
Light breeze from Nd Ed Ed, Clear and pleasent,
Cooling "Standish" from this Ship,

J. B. Milton
Lieut. U.S.N.

8 A.M. to Meridian
Light breeze from Nd Ed Ed. Clear and pleasent
Cooling "Standish" from this Ship.

J. B. Milton
Lieut. U. S. N.

Meridian to 4 P.M.
Light breeze from Nd Ed Ed Cooling
Standish from this Ship

J. B. Milton
Lieut. U. S. N.

4 to 8 P.M.
Light breeze from Nd Ed 2d, Clear and pleasent, Finished
Cooling "Standish" having given her about 30 Tons, Sent all Ednpted
Stores to the Store House, About 4 P.M. the Standish left for the
Naval Academy, Annapolis Md Taking with her all the Men
brought down on This Ship, except two clerks from the General Storekeeper at the Naval
Academy, who are left here to check Stores in transferring to the General Storekeeper here
J. B. Milton, Lieut. U.S.N.

8. P.M. to Mid.
Cloudy and threatning rain, Light breeze from
Nd Ed Sd

J. B. Milton
Lieut. U.S.N

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex , , Rate,

Moored to Wharf. Navy Yard,

| Hour. | Knots. | Tenths. | Reading of Patent Log. | COURSES STEERED by Standard Compass. | WIND. Direction by Standard Compass. | WIND. Force. | Heel. | Leeway. | BAROMETER. Height in inches. | BAROMETER. Ther. att'd. | TEMPERATURE. Air, Dry Bulb. | TEMPERATURE. Air, Wet Bulb. | TEMPERATURE. Water at Surface. | State of the Weather, by symbols. | Forms of Clouds, by symbols. | Prop. of Clear Sky, in 10ths. | State of the Sea. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. M. | | | | | Nd Ea Ed | 1-2 | | | No Instruments | | | | | b. c. | Cum | 5 | 3 |
| 1 | | | | | " | 2 | | | on Board | | | | | " | " | 7 | 3 |
| 2 | | | | | " | 2 | | | | | | | | " | " | 7 | 3 |
| 3 | | | | | " | 2 | | | | | | | | " | " | 8 | 3 |
| 4 | | | | | " | 2-3 | | | | | | | | " | " | 8 | 3 |
| 5 | | | | | " | 2-3 | | | | | | | | " | " | 8 | 3 |
| 6 | | | | | " | 2-3 | | | | | | | | " | " | 8 | 3 |
| 7 | | | | | " | 2-3 | | | | | | | | " | " | 8 | 3 |
| 8 | | | | | " | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| Noon. | | | | | | | | | | | | | | | | | |

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

| P. M. |
|---|
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |
| 10 |
| 11 |
| Mid. |

Charge
under the command of Lieut-C. B. Milton Lieut, U. S. Navy,
Norfolk Va. June 13th, 1893.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced Ended Until 4 A.M.

Fair & pleasant, Light breeze from N.E. & E.

J. B. Milton
Lieut U. S. N.

4 to 8 A.M.

Light breeze from N.E. & S. Clear and pleasant at 7.20 Messenger from Commandant brought Message to haul down the Pennant, that the Ship is out of Commission, in Obedience to the Message the pennant was hauled down at 7.25.

J. B. Milton
Lieut. U. S. N.

Approved

J. B. Milton,
Lieut. U. S. N.
In charge.

Examined and found to be correct.

*Navigator.*

